



04 Sep 1985

The Missouri Miner, September 04, 1985

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Thomas Jefferson Hall gets renovations



Thomas Jefferson Dorm, TJ North (left), TJ South (right).

by Renee Lloyd

A new look is coming to the North Tower of Thomas Jefferson Residence Hall, according to Jess Zink, head of Auxiliary Services here at UMR. Zink said that the purpose of the renovation is to "upgrade the North facility and make it comparable to the South facility."

The current phase of renovation, which should be completed during this semester, includes a paint job on all corridors (including the basement), TV lounges, elevator facings and door frames followed by carpeting in all hallways, TV lounges and study rooms, the South lounge, manager's office, and basement of T.J. North. Possibly as early as mid-semester, residents can look forward to new furniture for the TV and study lounges, as well as better lighting in the TV lounges. The bids for the carpet, paint, and furniture are all out and the contracts assigned, so residents can count on seeing these changes soon.

Auxiliary Services has more in store for residents of T.J. The next phase, which is scheduled for completion during Christmas break, includes installation of new doors for floors 1, 2, 3, 7 and the basement (to include rooms, stairways, custodian, study, TV, bathroom, trash, and utility room doors); 4 electronically controlled fire

exit doors (2 for North and 2 for South), which will be controlled from the front desk or automatically when fire alarm goes off; and panic devices for lobby doors to secure the building.

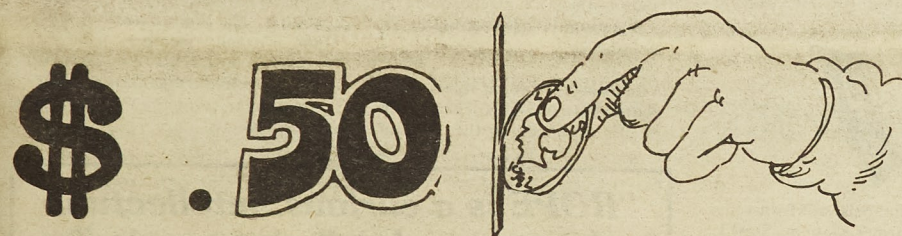
As yet, only the bids for purchase and installation of doors has been completed.

Plans are also underway to install a sprinkler system for the entire building, including corridors and student rooms. Some of this other life-safety additions will include smoke detectors, new light fixtures and a new ceiling in the corridors.

Auxiliary Services has also included in their program plans to upgrade the swimming pool and to make some repairs to the Heating Ventilation and Air Conditioning (HVAC). The bids for the Life-Safety installations, HVAC repairs and swimming pool repairs are not out yet, but these changes are scheduled to begin around May 15.

The estimated cost of completing just the HVAC repairs alone is approximately \$118,000.00, a figure which is quite large when one considers that the funds for these renovations are self-generated by T.J. "The problems are well in hand," said Gary Welty. "It's just a matter of having enough money to get the job done," he added.

Soda prices rise for variety



by Tom Duggan

Starting this semester, students will notice an increase in the price they pay for soda from the vending machines on campus. The reason for this increase may surprise a few people.

According to Gary Welty, head of vending for Auxiliary Services, the reason behind the increase is to offer the students more variety.

Welty explains that in the past, estimates were made on how much soda would be consumed and then bids were taken from the various distributors of soft drinks. The company having the lowest bid was awarded the sale and

would supply the campus with soft drinks for the next year.

The bids usually came down to Coke and Pepsi. This past year, for instance, Pepsi had the lowest bid, so the campus vending machines carried Pepsi's line of products.

This year, there was no competitive bidding for the contract. The administration decided that it really wasn't fair to dictate which products the students would drink. This year, both Coke and Pepsi products will be offered.

According to Welty, this move made it necessary for the vending department to pay more money for the soda: \$5.00

a case as opposed to \$3.30 a case last year. This is an increase of about six cents a can.

Where are the Coke products? According to Welty, there is some backstock of Pepsi from last year. The Coke lineup should reach the machines late this week.

Welty adds that this new policy is strictly experimental. At the end of the year, the success or failure of the program will be evaluated. If it doesn't work out, the old policy will be brought back.

see Soda page 11

UMR listed in profile of competitive colleges

by Renée Lloyd

UMR has been selected to be included in the fourth edition of *Peterson's Competitive Colleges*, a publication profiling 316 colleges and universities that consistently have a large number of applicants with above average credentials.

The publication determines which colleges have the most competitive admissions standards based on data such as the ratio of applicants to the number of students accepted, freshman

entrance examination scores and freshman class rank upon graduation from high school.

This group of educational institutions, along with 32 other art and music schools with highly selective acceptance requirements, represents less than 10 percent of all-American institutions of higher education.

The book is published by Peterson's Guides, a Princeton, N.J.-based publisher of educational and career reference materials.

UMR freshmen — outstanding

by: Christal Roderique

A report released by the Cooperative Institutional Research Program shows that the 1984 freshman class at the University of Missouri-Rolla has continued the tradition of academic excellence characteristic of UMR students.

The report states that 73.1 percent of the UMR freshmen ranked in the top 20 percent of their high school, compared to 40.6 percent of the freshmen enrolled in other four-year public colleges. Also, compared to 37.5 percent of other four-year public college freshmen, the average grade in high school was above B+ for 68 percent of UMR freshmen.

More than 80 percent of the freshmen

said that UMR's reputation and career development opportunities for graduates were major reasons for their choosing UMR.

The report indicated that some of the objectives considered "very important" by the UMR 1984 freshmen were: to become authorities in their fields, to obtain recognition from colleagues, to be well-off financially, to help others in difficulty, to give theoretical contributions to science, and to be successful in their own business.

The report also shows that 53.6 percent of UMR freshmen intend to pursue a degree higher than a bachelor's degree.

Auxiliary Aids for Handicapped Students

source: Dean of Students

The University of Missouri-Rolla has instituted a policy to identify and secure necessary auxiliary aids for handicapped students. This policy is extended in its interpretation to include certain services, such as note takers, sign interpreters, or essential personal attendants.

Any UMR student desiring an evaluation of special needs is requested to contact the Office of the Dean of Students (341-4292) in Room 202, Rolla Building. An evaluation will be completed as rapidly as possible and sources of support for the auxiliary aids either designated or provided.

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The Winner of the Great Comic Strip Survey is **The Far Side!** It won by a 2 to 1 margin over Ziggy (155 to 76). Tank McNamera had only 24. Our new addition appears on page 9.

calendar of events

Wednesday

Okay you guys, we're out for blood!

There will be a blood drive on Wednesday, September 4 and Thursday, September 5 from 10:00 a.m. to 4:00 p.m. in Centennial Hall.

The Spelunkers Club will hold a new members meeting Wednesday at 6:15 p.m. in Room 305 in Norwood Hall. There will be a slide show and refreshments. Everyone is invited to attend.

Thursday

ASEM - American Society for Engineering Management will be having their first meeting of the semester this Thursday, September 5 at 6:30 p.m. in G-3 of the ChE Building. New memberships are available.

University Theatre presents...

Amy Barker, Barker will talk about her eleven-week apprenticeship this summer with the Williamstown Theatre Festival. She will discuss her backstage work, acting and movement classes the experience of working in theatre 12-15 hours a day or night. Come hear about live theatre Thursday, August 29, 1985 at 8:00 p.m. in T-4 (near the library).

To all interested UMR students: The Varsity Rifle is conducting tryouts this Thursday, September 5. If you would like to tryout, come to the ROTC Building at 6:00 p.m. If you are unable to attend, contact SFC Griffin at 341-4740 or stop by the ROTC Building.

There will be an M-Club meeting Thursday (Sept. 6) at 8:15 for members and a meeting at 7:45 for pledges. The meetings will be held in CE 114.

Monday

Fine Arts Committee of SUB will have a meeting at 6:00 p.m. in the SUB office (Room 217, UC-West). All interested people are welcome to attend.

The Christian Campus Fellowship would like to invite everyone to our weekly Monday-Nite-Fellowship at 7:00 p.m. at the Missouri room, University Center-East. There will be singing, Bible-study, worship, and fellowship. Come and you'll find yourself a home in Christian Campus Fellowship.

Tuesday

Publicity Committee of SUB will have a meeting at 6:45 p.m. in the SUB office (Room 217, UC-West). All interested people are welcome to attend.

The Tau Beta Pi Association will be holding an organizational meeting Tuesday, September 10 at 7:00 p.m. in CE 117. All members are encouraged to attend.

Today

Anyone interested in joining the UMR Bowling Team should contact Harold at Colonial Lanes in the Rolla or Call Greg B. at 364-7016.

Enter the National Bowling Council's Bowling Writers Competition! You must be a full-time student currently enrolled in an accredited college or university to enter. Entries must be bowling related and published, campus newspapers included, during the 1985 calendar year. How to enter? Simply submit your bowling-related article in tear-sheet form to the National Bowling Council, a by-line or note from editor for proof of authorship is required. Please include your class year, campus address and permanent address, along with telephone numbers. Entries will be acknowledged upon receipt and will become property of the NBC. Judging will take place in January, 1986. Winners only will be notified. A cash award will be mailed to winners soon after notification. First prize - \$300; Second prize - \$150; Third prize - \$100; Honorable Mentions (5) - \$50 each. Send your article to: National Bowling Council, 1919 Pennsylvania Avenue, N.W., Suite 504, Washington, D.C. 20006, Attn: Debi Davidson.

Royal Dutch/Shell Group companies overseas will be interviewing junior, senior, and graduate students on October 16th from the countries of Malaysia, Western Europe, Brazil, Brunei, Gabon, Nigeria, Singapore, Thailand, and Tunisia exclusively. See Cindy Miller, 202 Rolla Bldg. before September 25th for pre-interview application forms.

Students seeking part-time employment: See Cindy Miller in the Office of Student Activities, 202 Rolla Bldg. for a listing of current job openings in the Rolla Area.

U-M-Rolla Industry Day will be Tuesday, September 24, 1985 from 10:00 a.m. to 4:00 p.m. in the Multi-Purpose Building. There will be free exhibits by many leading industries and businesses.

Applications for the SUB Treasurer will be available in the SUB office until September 19. To be eligible, you must have been a member of a SUB committee for at least one semester.

To all student organizations: Remember to pick up and complete an Officer's List form (and other membership forms, if necessary) in the Office of Student Activities, 202 Rolla Bldg., prior to the end of August.

American Petroleum Institute Scholarship

Must be a resident of Jackson, Clay, Cass or Platte County in Missouri, or Wyandotte, Johnson, Leavenworth or Douglas County in Kansas. Must be a junior standing working toward a degree in any energy related field, have a definite need for financial assistance, and maintained median academic requirements. Apply by writing a letter to the Chairman of the American Petroleum Institute Scholarship Committee, stating your name, age, marital status, college, degree working toward (include an official transcript of grades), and a brief outline of future college plans. Sent the above to: American Petroleum Institute, c/o Connie Densmore, P.O. Box 1348, Kansas City, MO 64141. Applications must be received no later than October 1, 1985.

International Computer Programs Scholarship

Selection of the scholarship winner will be based on the student's accumulative grade point in both his field of study and overall, the need for financial aid, participation in DP-related activities, school activities and leadership roles, and an essay to be written by finalists. To apply, you must submit: 1) The application form (available in Financial Aid Office), 2) A transcript of the applicant's grades, 3) A short letter (100-150 words) written by the applicant stating why he/she has applied for the scholarship, and 4) A letter of recommendation from a computer science or computer technology professor or department head. The award will consist of one scholarship for a full-year's tuition (1986-87 school year), room and board, and educational expenses up to \$5,000. Applications must be received no later than November 15, 1985.

The UMR Cheerleading Squad currently has four alternate positions open, two men and two women. Tryouts will be Sept. 9-11 at 4:30 at the Multi-Purpose Bldg. For further information contact Dale Heuser at 364-5745.

December Graduates: If you will be completing requirements for a M.S. or a Ph.D. degree at the end of the current semester, you should make application for that degree by going to the Registrar's Office before September 3, 1985. The Registrar's Office will not be able to include you with other students graduating on December 15 unless you make application with Lauren Peterson.

Campus Capsules

A boycott of teacher evaluations is being asked of students by the Student Association Academics Adviser at Northern Illinois U. The boycott is aimed at protesting the fact that the evaluation results are not made public.

A new divestment movement is set to hit campuses this fall. The Young Conservative Foundation has already organized on more than 30 campuses in seven states in

preparation for its Save the Oppressed People Committee (STOP) Campaign - an effort to persuade American industry from doing business with the Soviet Union, employing tactics similar to the student anti-apartheid movement.

Cutting the cost in half: If students can prove they've earned half the cost of tuition, fees and books a scholarship at Rice U. will pay the

other half. An alumnus and his wife created the program "to instill the sense of accomplishment obtained by working for one's education." The fund keeps growing as students voluntarily repay the gift when they can.



Lying on financial aid forms may earn two former Alabama State U. students time in prison. The two pleaded guilty to falsifying finan-

cial aid information while students at ASU and face possible sentences of 5 to 10 years in prison and fines of \$10,000 to \$20,000. The charges stemmed from an ongoing investigation the U.S. Department of Education is conducting in the Southeast.

Violations of student rights were charged in a two-page letter signed by 37 members of the Student

Government Association at Loyola U. The letter followed an SGA investigation of alleged violations of the rights of members of a fraternity which has been banned from campus by Loyola administrators. The Administration says the fraternity members have no rights on the Loyola campus and it will not tolerate organizations that continue to recognize the fraternity's existence.

Missouri Miner

The Missouri Miner is the official publication of the students of the University of Missouri-Rolla. It is published each Wednesday at Rolla, Missouri and features activities of the students of UMR.

Submissions for Publication must be in our drop box (first floor of the Rolla Bldg.) by 12:30 p.m. on the Friday before publication or may be brought to the staff meetings at 1:30-2:30 p.m. on the same Friday.

Advertising information may be had by contacting the Advertising Director as listed below.

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COMMONWEALTH THEATRES

Forum

Starts Friday

evenings 7 & 9:15
matinee Sat. & Sun. 2 p.m.

Cocoon

PG-13

Back to the Future

PG

Ritz

Starts Friday

evenings 7 & 9:10
matinee Sunday 2 p.m.

American Ninja

R

Pre-Show Martial Arts Demonstration
Friday & Saturday

Adult Owl Show
Fri. & Sat. 11:15 p.m.

Pussycats Galore

Uptown

Held Over

evenings 7 & 9 p.m.
matinee Sat. & Sun. 2 p.m.

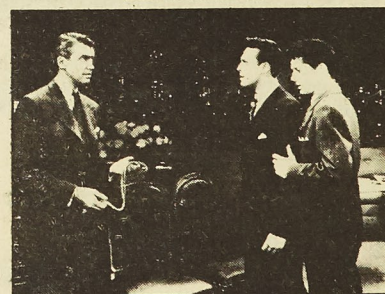
Teen Wolf

PG

"ROPE is a curious, intellectual drama...an intriguing movie." — Jeffrey Lyons, PSB SNEAK PREVIEWS

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A UNIVERSAL CLASSIC
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SOME MATERIAL MAY NOT BE SUITABLE FOR CHILDREN

UMR Fall
Film Series

Thursday 7:30 p.m.
Miles Auditorium

Free enterprise through forced labor

by Cordell Smith

Most people are not aware of the extent to which their trade dollar props up dictatorship in other parts of the globe. The continued purchase by Americans of goods imported from the Communist bloc, the Soviet Union in particular, provides hard cash that helps finance the expensive Soviet empire. Nevertheless, one cannot place the entire blame on uninformed Americans, who simply purchase whatever is available. No, the fault lies with those who import goods from the USSR in the first place, especially since it constitutes a violation of federal law.

Section 307 of the Smoot-Hawley Tariff Act of 1930, now codified as 19 USC 1307, prohibits the importation of "all goods, wares, articles, and merchandise mined, produced, or manufactured wholly or in part in any foreign country by forced labor." And, of course, the use of slave labor by the USSR is well documented.

Senator William Armstrong (R-Colorado) has noted before the Senate that "within the Soviet Union there are between 4 and 17 million persons in gulags (prisons); many of them prisoners of conscience, religious dissidents, and political prisoners..." (Congressional Record, November 9, 1983, p. 515744). Nevertheless, imports from the USSR totalled about \$227.6 million in 1982, many of them products made by slave labor.

Administration Inaction

Customs Commissioner William von Raab proposed regulations to enforce the law with respect to imports in mid-to-late 1983. Before the new regulations (really just notification of intended enforcement) can go into effect, however, they must be approved by the Treasury Department and inserted into the **Federal Register**. Treasury

Secretary Donald Regan instead referred them to the State Department for comment. Columnist George F. Will writes that one high official at State "exploded" in anger at the rules. State then referred the proposals to the Senior Interagency Group, comprising officials from the Department of State, Commerce, and Treasury, as well as Central Intelligence. There the von Raab regulations died from inaction.

Incompetence As Leadership

When the Soviet Union shot down the Korean Airliner in September, 1983, the Reagan Administration did little more than wring its collective hands and implore the Soviets not to do it again. In the Senate, however, where a resolution condemning the murder passed, North Carolina Republican Jesse Helms introduced an amendment calling upon the President to "direct the Secretary of the Treasury to use existing statutory authority to prevent the import of any product or material produced in the Soviet Union with the use of forced labor." There was considerable support for the Helms Amendment, but then "Liberal" Senator Charles Percy (R-Illinois) killed it by announcing the incredible opposition of the Administration. "Should it be demonstrated that products or materials produced by forced labor are being imported, the Administration will take appropriate steps." The Helms proposal was tabled (killed) by a 52 to 43 vote. (Senators Eagleton and Danforth, as well as Percy of Illinois, voted to kill it, while Illinois Senator Dixon voted against the tabling motion.)

Senator Armstrong, before the vote, entered into the **Congressional Record** a letter form CIA Director William Casey, which provided "a list of Soviet industries which utilize forced labor and

produce goods for export." The list reads as follows:

- I. **Wood Products:** Lumber furniture, casings for clocks, cabinets for radio and TV sets, wooden chess pieces, wooden souvenirs, wooden crates for fruit and vegetables, and card board containers.
- II. **Electronic:** Cathode ray tube components and resistors.
- III. **Glass:** Camera lenses, glassware, and chandeliers.
- IV. **Automotive:** Auto parts, wheel rims, and parts for agricultural machinery.
- V. **Mining/Ore Processing:** Gold, iron, aluminum, coal and peat, uranium, asbestos, limestone, and construction stone and gravel.
- VI. **Clothing:** Coats, gloves, boots, and buttons and zippers.
- VII. **Petroleum Products and Chemicals.**
- VIII. **Food:** Tea.
- IX. **Miscellaneous:** Brick and tile, watch parts, wire fences, mattresses, screens, steel drums and barrels, lids for glass jars, plumbing equipment, storage battery cases, concrete products, electric plugs/cords, electric heaters, electric motors, pumps, and woven bags.

Since the CIA, and therefore the Administration, possessed this list before the Senate vote, the promise that Senator Percy quoted (above) from an administration policy statement, is shown to be a fraud. For utterly failing to provide any semblance of leadership, and for effectively smashing attempts to enforce the law, the Reagan Administration (in general) receives the Hypocrite of the Year Award.

Let's stop nuclear weapons testing

by Don Billen

The Soviet Union recently announced that for the remainder of 1985 they will not conduct any nuclear weapons tests. In addition the Soviets announced that if the United States follows their lead for the remainder of 1985 they will extend their moratorium indefinitely. In essence, the Soviets have proposed a joint moratorium on nuclear testing, and as an indication of their willingness to work toward such a ban they will unilaterally suspend all their nuclear testing for the remainder of the year.

A day after the Soviet's announcement President Reagan rejected the proposal. The media

since then has largely ignored the proposal despite the Soviets repeating their offer as recently as August 26.

An analysis of President Reagan's stated opposition to a test ban treaty reveals some interesting conclusions. The majority of his opposition lies in the simple fact that the Soviets have conducted more test thus far in 1985. It is undoubtedly true that the Soviets are currently ahead in tests for this year. The evidence even indicates that the Soviet Union accelerated testing in July to compensate for future lost testing time. While this may

See Nuclear testing page 18

Our God given rights

by Cordell Smith

Dear David,

Thank you for your recent criticisms of my article, "Where do the People's rights come from?" Your interest is appreciated.

I maintain, however, that the people get their basic rights from the Almighty, and not from any secular source. This is not a tenet of my faith alone; it is a tenet of American government.

The meaning of the Declaration of Independence is as clear as language can make it. "We hold these Truths to be self-evident, that all men are... endowed by their Creator with certain unalienable Rights..." If this phrase does not mean our rights come from God, then what does it mean?

Please consider the importance of the concept of God-given rights. I think you will find, ironically, that the rights of those who do not believe in God are secure only so long as we accept this principle. The Declaration says *all* men are endowed with these rights, not just believers. What God has given, no government can properly take away. (*Thou shalt not steal*, remember?) Thus the right of conscience is protected for nonbelievers as well. Call it a fringe benefit.

See Rights page 18

Miner changes distribution policy

Dear Students,

A word of explanation.

In an effort to cut costs and to be more fair, the **Miner** has gone to a centralized distribution policy. This means that *many* newspapers are distributed to central locations on campus — such as the Library, and the University Center-West — and that no papers are delivered to such places as administrative offices and fraternities.

First the part about cutting costs. Last year, delivering to many places cost the **Miner** (and thus the students) about \$1000. This year and in

future years, distribution will cost less than half that amount. I believe this gratifies those concerned about rising Student Activity fees.

Now the part about being fair. We at the **Miner** felt that the people in administrative offices and the residents at the fraternities and sororities could reach the papers as easily as everyone else if we went centralized. Beyond this, with the new set-up there are enough papers for everyone. Last year we received several complaints that there

See Distribution page 18

m= features

Introducing — *Children of the Dorm*

by Stephen Queen

The alarm was late going off, and Josh overslept. By the time he woke up there was just enough time to grab his books and boogie his buns to class. He scooped a handful of change off the desk on his way out.

Matt was already in his usual place when Josh arrived. He sat way up in the back of the hall, where you were in danger of getting a nosebleed from the altitude. Matt was busy adding to the graffiti on the desk, his feet propped up on the nearest freshman. Matt never took notes.

Josh dropped into the empty seat next to Matt, carefully ignoring the stare the professor was aiming his way.

"Old man's on a tear this morning," Matt whispered out of the corner of his mouth. "Already accused Isaac Newton of being gay and said that trig substitutions were the work of the devil." Josh had to work not to laugh. Matt was funny and brilliant. "The Things got another one last night," Matt went on. "Remember Lewis from third floor?"

"Will you frigging shut up?" Josh was not as good at sneaky whispers as Matt. The professor shot him another stare before going back to his analysis

of why the sine function was abbreviated "sin." "Now you got my butt in the old man's sights," Josh whispered. "Frigging nut case should have been a preacher."

"He's the one who warned me about the Things, man. Saved my head."



"Will you shut up about them already? There's no such thing anyway, and you're giving me the creeps!" Josh hadn't realized how loud his voice had gotten until he saw the faces turned to stare at him. He left the hall before the old man could throw him out.

Brooding over a New Coke, Josh thought about how weird it was that so many otherwise bright people could fall for such a load of fertilizer. Matt should know better. Even the old man

should know better, and he was probably crazy anyway.

Them. The Things. The Blood-suckers. Whatever name you called them the stories were the same. They walked the night. They preferred freshmen, or so it went, but they would take anyone. Worst of all, Their numbers were growing. Matt stared at the pile of change next to his lunch. Bait for Them, according to the old man.

"What a load of junk," Josh muttered.

He had heard the stories like all the other freshmen. Things. They looked just like you or me during the day, but at night their hunger transformed them. They waited in the shadows to drain their victims dry. Not all at once. Slowly. First they got the tuition fee. Later on it would be a student activity fee. Then, as their victims became powerless to resist, an engineering surcharge. Then dorm fees. Meal tickets. Parking stickers. According to the nuts like the professor the Things wouldn't stop until they had drained every drop of cash from your body. The only way you could spot their victims was by the unholy mark the Things left. Two small, neat bite marks in the center of the billfold.

Once a month, when the moon was full and shining like a silver dollar, They conducted their rites. All the new victims were taken to the bookstore for one final draining. Some said you could hear the screams, mixed with the ringing of the cash registers, on those long, still nights. After that they were lost forever—doomed to stand in line outside the cashier's office for all eternity.

There were ways to protect yourself—so the stories went. Stay indoors at night. If you had to go out, don't wear gold, silver, or green clothes. The colors drew the Things. Carry a credit card. The Things were terrified of credit cards. Then there were the real nuts like the professor, who claimed They had to be destroyed. The only way to kill one was to hold it down and drive a wooden nickel through its heart.

"Bull!" Josh said aloud. The people at the next table were staring. Time to go get drunk, Josh decided. He scooped his change together and got up to go. Just as he put his hand in his pocket the thought hit him.

"There was more money there before, Josh old buddy," his mind whispered to him. He paused for a moment before deciding his mind

needed to shut up. Three or four good stiff drinks might just help it.



His mind was completely shut up as he made his way across campus toward the dorm that night. It didn't even make a sound when he felt the clammy, hooked fingers touch his back pocket. By the time his mind found its voice, the Thing had his billfold, and half his checkbook as well. He struggled, even though he knew it was useless. Matt was right. The old man was right. He could feel consciousness slipping away. Just before he blacked out, he saw the medallion the Thing wore. It bore the image of their leader, Their Overlord—Prince of Financial Darkness. The medallion was cast of glimmering zinc. Zinc.

He screamed—the high, ringing shriek of a twenty-dollar bill being ripped in two. Then he was gone. . . .

To be continued

Losing that spare tire

by Susan Duff

Now that summer's over, you might find you have to be more careful about your weight than usual. If you got in the habit of having an ice cream cone after your afternoon game of tennis, the ice cream habit may remain even though you're not out on the courts beforehand. You probably worked off the beer you enjoyed on the beach by taking a swim or joining in a game of volleyball. When summer ends, it's hard to give up the food and drinks we got used to, and that can often mean an end-of-summer weight gain. Here are some ways to avoid that.

Exercise won't come so naturally now that the weather is cooling off a bit so you'll have to make plans for exercise. Get together a group of friends for a weekend morning bike ride, or jog. See if there are people interested in making this a regular exercise get-together.

Find indoor alternatives to the outdoor sports you enjoyed all summer. YMCAs and other organizations have indoor pools to swim in. You might switch to squash or racquetball at a health club to replace your summer tennis. Discover ways to enjoy favorite activities inside instead of resigning yourself to a season of inactivity.

Find lower calorie food to replace your summer favorites. Have ice milk instead of ice cream; switch to the lower calorie beers and wines. Since fresh fruit and vegetables are less plentiful now, try seasonal produce such as squash and apples to replace the fresh greens and berries of summer.

Try to change your diet attitude from summer to fall thinking. In warmer months, more activity and

reduced appetite made it easier to lose without much effort. Now, you'll have to think about dieting — plan ahead for exercise sessions and consciously resist foods that will put on pounds. Make this adjustment quickly, before



you put on five extra end-of-season pounds.

Don't give up on a diet just because you're starting to bundle up more now. It is easier to stay trim when you're in revealing clothing most of the time, but don't let the more concealing wear of winter give you an excuse to put on weight. Keep a picture of yourself at your best weight prominently displayed to remind yourself of you at your best.

That's What I Like About You!

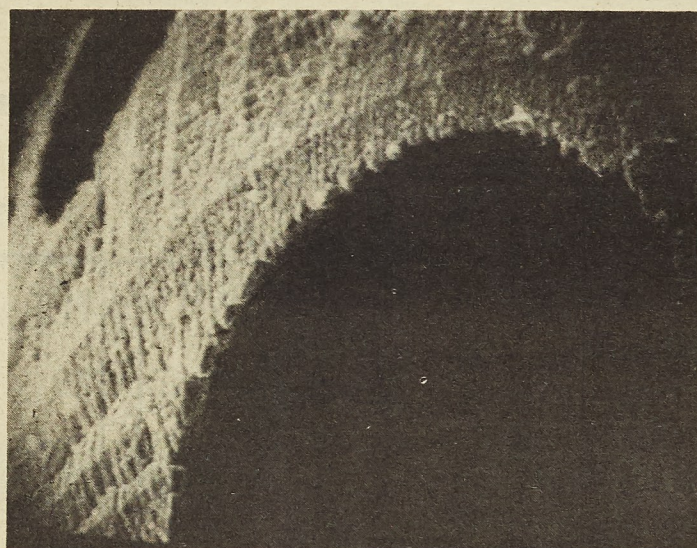
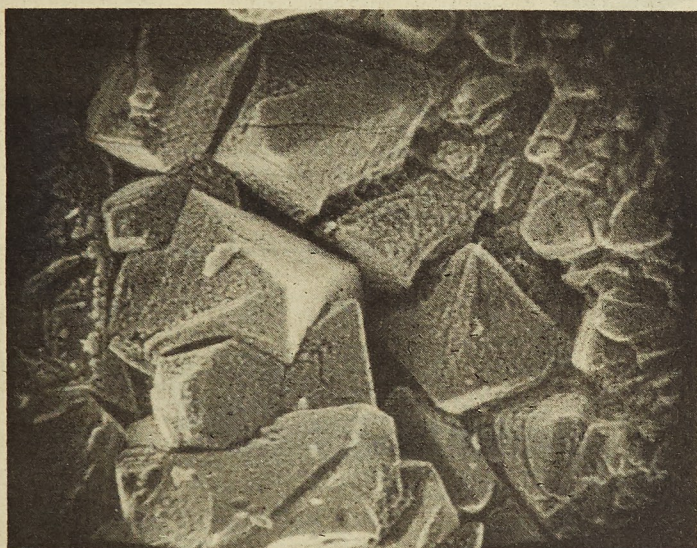
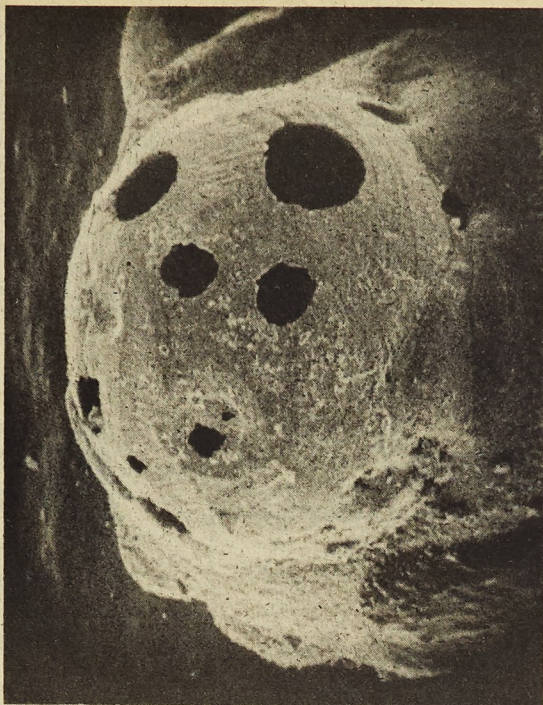


"Hey, Chick, you want to become a little sister at the best fraternity in Rolla . . . mine?"

Views from a microscopic world

No, the first picture is not a scoop of chocolate chip ice cream. You're looking at close-ups of iron oxide taken by an electron microscope — magnifications 170x, 250x, 750x, and 1000x.

Pretty ugly, huh?



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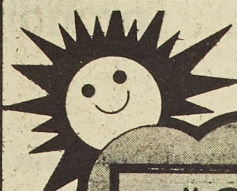
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& Blowdry
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\$1.39

Hours 10:30 a.m.-9:30 p.m.

Subscripts

Here's something entertaining

submitted by Kevin McEnery

The members of the Student Union Board would like to take this better-late-than-never opportunity to welcome everyone back to school. A special welcome goes out to all the freshmen out there, many of whom don't even know what SUB is yet.

As usual, this semester is chuck full of well planned entertainment that is geared to suit all students. Coming this weekend is a concert featuring STEVE BOB & RICH this Friday at the corner of 9th and State from 9:00 p.m. till

midnight. Also scheduled is the movie "Uncommon Valor", showing in the M.E. Auditorium both Friday and Saturday at 6:30 and 9:00 p.m. Coming in the near future is the second City National Touring Co. - more on that later.

A special notice goes out to all of you who are current members of SUB. The Board has decided recently to add to the Board of Directors the Office of Treasurer. The decision spawned from the increase in the need to have an officer who is solely in charge of the

finances and expenditures of the committees. All SUB members who have an interest in accounting are welcome to apply. Applications are available immediately in the SUB Office - 217 UC-West. The deadline for accepting applications is September 18 at 4:30 p.m. Elections will be held September 19 at 6:00 p.m. in the SUB Office. For more information, stop by the SUB Office, and remember - don't be shy.

Stay alert for more SUB events taking place the entire semester on Campus. You won't want to miss out.

Who's Steve, Bob, and Rich?

by Kevin McEnery

Ladies and gentlemen, please welcome, from left to right, STEVE BOB & RICH. What kind of name is that for a band? A different kind of name for a different kind of band. This Friday, the three of them will be playing right here in Rolla. They are being sponsored by the Student Union Board and will be playing from 9:00 p.m. till midnight at the corner of 9th and State streets.

Those of you who caught them last semester in Centennial Hall have already witnessed the kind of excitement they generate. With a firm footing on the ground of 50s and 60s rock-n-roll classics, STEVE BOB & RICH honor that musical tradition, but forge it on ahead with an original sound and

original music that embraces the edge, the technology and the sleekness of the 80s. Along with songs from their first album, "Balls," they will be playing "Bang a Gong," the T-Rex classic, "Mony Mony," "Walk on the Wild Side," and many other familiar tunes.

STEVE BOB & RICH have long had a big following here in the midwest. They are from Kansas City, and there they have played with such acts as INXS, Marshall Crenshaw, and others. Recently, they played at the VP Fair in St. Louis, on the Riverfront. They also draw large crowds at the clubs in Springfield and Columbia. So don't miss the action—be there this Friday and find out just what everyone else in Missouri is going to see.



A Greenfest in September

by Troy Leitschuh

It's time to start getting psyched for St. Pat's '86 and what better way to begin than with the 3rd annual Septemberfest Psych-Up. This is to be held tomorrow night, September 5, at the Cavern. The fun starts at 8:00 p.m. and continues into the night. So everyone, come on out and show the Board that you're psyched for "The Best Septemberfest Ever!"

second place, respectively. This new competition promises to be an exciting and enjoyable one.

Septemberfest is your best opportunity to bust loose so if you haven't gotten your button yet, hurry to the Hockey puck and buy one. The buttons are only \$3.50 (they are \$5.00 at the gate) and are your ticket to the best party this semester.

Once again, buses will be running out to the park and will depart from



On Saturday, September 7, the St. Pat's Board will present Septemberfest '85 from 1:00 to 5:00 p.m. at the Rolla Lions Club Park. This renowned event is always the highlight of the semester and this year's 8th annual affair promises to be better than ever. As always plenty of your favorite beverages will be available, along with the great sounds of the band, "N-Sync".

New, this year is the competition of the Psych-a-thon. This competition consists of four individuals participating in three events: the Keg Toss, Keg Relay, and the Full Keg Carry. The top three teams in each event will receive points, and the final overall winners (of all events combined) will receive a half bbl. and a quarter bbl. of their favorite beverage for first and

the Multi-Purpose Bldg., E.E. parking lot, and Fraternity Row. Buses will begin shuttling party-goers at 12:30 p.m. Like Extravaganza, there will be plenty of State Troopers around, and the Board will charge \$5.00 for parking. So be smart, avoid the traffic jams and take the bus.

The St. Pat's Board is also accepting '86 St. Pat's sweatshirt designs. There is a \$100.00 first prize, \$50.00 second prize, and also a \$25.00 third prize. So hurry now and enter your own design, and possibly see 10,000 people wearing your design on their '86 sweatshirt. Deadline is September 13. Submit entries to any St. Pat's Board Representative.

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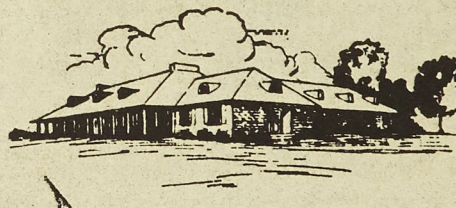
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Saturday 9-3

The Southern Gentlemen of KAPPA ALPHA and the DAUGHTERS OF LEE proudly announce their schedule for Little Sister Rush.

Tues.	Sept. 4th	4 p.m.-6 p.m.	Southern Lawn Party (B-B-Q and beverages served)
Sat.	Sept. 7th	10 a.m.-12 p.m.	Southern "Bubbly" Breakfast
Tues.	Sept. 10th	5-6:30 p.m.	Semi-Formal Dinner

If you need an escort or any information,
Please call 364-4841, 364-6778, or 364-8255.



Wednesday, Sept. 4, 1985

Meet

This second "Greenfest" continues. Hopefully, a grid of the disc jockeys appears in the article or at least in the Miner. A comparison of the more "normal" schedules marks a step. Rather than list names derived from sojourns into the mind, we are seeking our real names (or once removed from the reasons for names are many-fold which is upsetting to the more (possibly) reason, however, is ing a crevice which h the years. KMN rumours, is a student Our officers, d.j.'s, engineers, production

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364-788

Meet Rolla's own KMNR

This second "Groundwaves" of the semester continues the introductions. Hopefully, a grid giving time slots of the disc jockeys appears in or near this article or at least in this issue of the Miner. A comparison of this grid with the more "normal" KMNR program schedules marks a startling difference. Rather than listings made by show names derived through imaginative sojourns into the individuality of each d.j.'s mind, we are setting the grid with our real names (or at least names just once removed from reality).

The reasons for disclosing the names are many-fold, not the least of which is upsetting the public-shy d.j.'s. The more (possibly most) important reason, however, is to attempt bridging a crevice which has developed over the years. KMNR, contrary to rumours, is a student operated station. Our officers, d.j.'s, news announcers, engineers, production support... in

fact, everybody (with one exception) in the station is a student. **That's the Law!!** The one exception, same as all student organizations, is our faculty advisor, and we've got a good one.

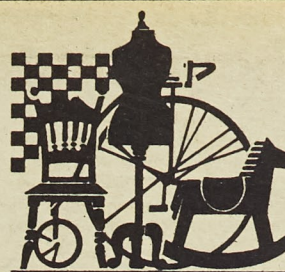
Dr. Sam Geonetta, UMR Speech and Media Studies, undertook the responsibility of advising a group of sometime malcontents before he really knew what we are all about... But then again, few of us have figured him out yet. Those of us who have become acquainted with our new mentor, though, are worried. **He is totally wrong for the job.** This is UMR and we have an advisor who is qualified and concerned.

That's it for introductions. From here on our this area is for hardcore station happenings and news. And starting these announcements off on the right foot... You know those songs that come over the air sounding like they are being played through

crinkled cellophane? The folks in the station are now collecting beverage cans which, when converted to better barter (bucks), are used to replace the well worn or badly abused albums. Soon your ears should receive the soothing sounds of restored/replaced tunes.

Well... Saving the beast for last, the new leadership for flight 89.7 consists of: Jim Hunt, Station Manager; Greg Boes, Chief Engineer; Chuck Wyers, Business Manager; Scott Veenstra, Personnel Manager; Don Grahlherr, Program Director; Brian Carlson, News Director; Kevin Knocke, P.R. Director; Kathy Dolson, Trainee Director; Paula Courter, Head Librarian; Rich Gneco, Production Director; Marty Compton, Music Director; and Kevin Courter, Maintenance Engineer.

	mid	Mon	Tue	Wed	Thur	Fri	Sun	Sat
3a		Jeff Roberts	Kevin Courter	Chris Austin	Dave Palmer	Rich Gneco	Bill Masek	Shawn Copeland
6a		Matt O'Hanlen	Gus Wilcox	Kevin Ross	Scott Carpenter	Eric Steuterman	Greg Raymer	Bob Linke
9a		G.B. Miller	Sarabetha Chambers	Shelly Bethke	Paula Courter	CLASSICAL	Mr. E.	Gene Patten
noon		Bill Carty	Scott Lucas	Mr. E.	Sarabetha Chambers	Phil Harizal	Edie Hays	Lisa Hoven
3p		All Meyer	Wynne Pressley	FOLK BLUEGRASS	Kevin Knocke	Steve Peterson	FACULTY ALUMNI	Jody Curtis
6p		Desiree Rinehart	Chuck Wyers	Tom Dofiore	Scott Veenstra	Marty Compton	Jim Hunt	Greg Boes
9p		ARTIST FEATURE	George Carini	Rich Arkenberg	Don Grahlherr	Gene Williams	JAZZ	Jim Pontius
mid		Rick Schmitt	Brian Carlson	Mark Hurley	Brett Mongillo	Steven Westcott	BLUES REQUEST	



CLASS ADS

To a Comp. Sci. who's unlike all the others. Happy Birthday!! Love, the future journalist

Enjoy Hotdogs at Septemberfest! Only 2 for \$1.00, come and support the Kappa Sigma Stardusters.

To my wonderful roommates — Jackie, Julie, and Nancy. Let's have a good semester, okay? I'll try not to lock anyone else out, just as long as I don't have to sleep on the back patio again. And, don't forget, STEAMROLLER!!! —Terri

KKKg-

Good to see you again. Missed you this summer. Get psyched for ChE 27. I'll come and bash at your window some night now I know where you live! —C.J.

The Little Sisters of Sigma Pi invite you to our Study Break rush party tonight, September 4, from 8:00 p.m. to 12:00 p.m. Take a break from the books and stop over at 206 12th St. (2 blocks from Key Sport). Also be at the T.G.I.F. Lives a Beach party Friday at 2:00 p.m. till 6:00 p.m. Hope to see you there!!

To all the new pledges to Sigma Pi-

Don't be too hard on the actives! Congratulations and Good Luck!

—Daughters of the Emerald

Kim & Liz-

Welcome back my friends... You guys sure know how to party. We have to go bar-hopping some time. Listen to my show, I'll play you a song. (A little M.C.?) —Carl

Interested in being a little sister at a fraternity? Sigma Tau Gamma I'll 'Sis' rush party, Thursday, Sept. 5, #5 Fraternity Drive, 7:00 - 11:00. Semi-Formal. Call 364-5226 for a ride.

Attention

On the afternoon of Tuesday, August 27 at approximately 5:45 p.m., I observed a motorcycle passing by my house (303 W. 11th). During the acceleration of the bike I saw a bunny fall from the back pack the driver was wearing. Upon careful examination I saw that the bunny was not critically injured. Being unable to catch the owner of the bunny, I have taken it into my custody. If you are able to describe the bunny and thus prove it belongs to you, please feel free to stop by and visit so as to take this bunny home where it belongs. It's terribly upset and is becoming homesick. **Please Hurry!!** Call 364-833 or 341-3302 and ask about the lost bunny!

Hey all you who'd like to join the best little sister organization on campus... You are invited to come to a little sister tea party at the TKE house, 1107 State St., on September 6th from 6:30 to 9 p.m. also, come to our Bar-B-Q next Sunday. Come on over and have some fun.

Congratulations to our new brothers, Mark Buhr, Kurt Schriener, Robert Thieret, and Vernon Vondera. Many thanks for all the work you have put into the house and good luck during this semester.

The Men of Delta Sigma Phi

Needed: 20 Big Brothers and Big Sisters. If interested, contact Big Brothers, Big Sisters of Rolla: 614 Pine Street, Suite 207, Rolla, MO 65401; 341-2600. Or you can contact Big Brother Gary White at 364-6774.

Private home has room for 1 male student.

Large bedroom, dining area, refrigerator furnished, 8x10 study, cable, & telephone. Includes utilities. Close to campus. Private entrance, bicycle rack 7 parking. \$10.00 a month per student (\$25 deposit). Call Betty or Frank at 364-3883.

For Rent: Student rooms. Economical and located across street from campus (207 W. 12th St.) For more information, call Dale Wands at 364-1985.

Blue Key is now accepting applications for Fall 1985 pledging. We are looking for students who are of good character and who have demonstrated leadership capabilities in extracurricular activities. Our local Blue Key Chapter serves the campus by organizing activities and services such as the Student Directory, Resume Service, Minor-of-the-Month Awards, and the Leadership Forum. If anyone in your organization is interested in Blue Key and can meet the requirements for membership, please encourage them to apply for our organization. More applications are available at the Candy Counter in the University Center and at the Student Activities Office. All applications are due by Friday, September 13 and should be returned to either the Candy Counter or the Student Activities Office. If there are any questions, please feel free to contact Kevin Renfro at 364-8115.

WANTED : PHOTOGRAPHERS

to work on the Rollamo Yearbook staff. Earn extra money for the school year. Only requirement — need your own camera. Dark room experience is a plus, but not necessary.

First meeting will be 8 p.m. Monday, Sept. 9 in Room 304 of the Rolla Bldg.

For more information
Feel free to contact Carla Rellergert
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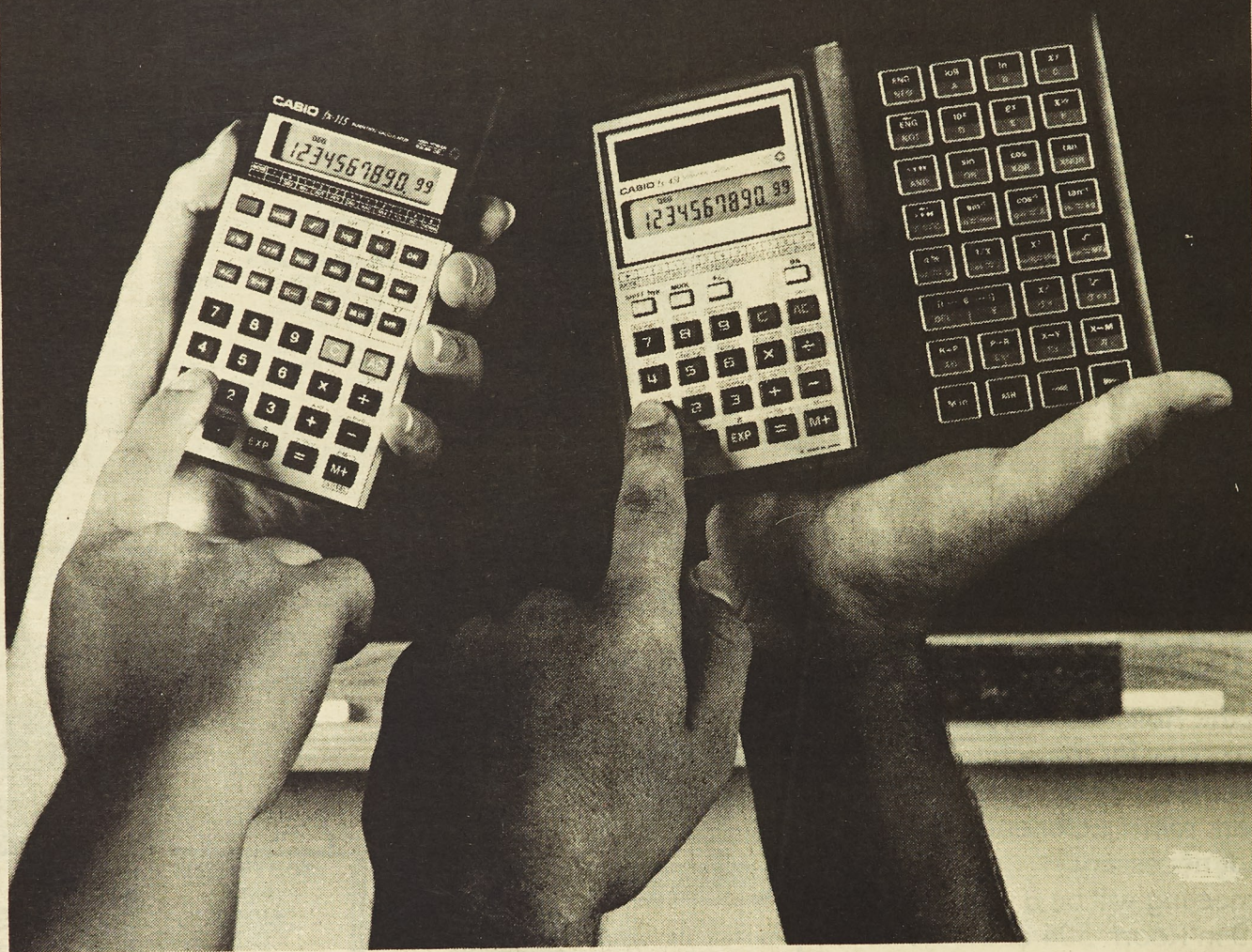
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Wednesday, S

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Tarzan

24



"Betty, you

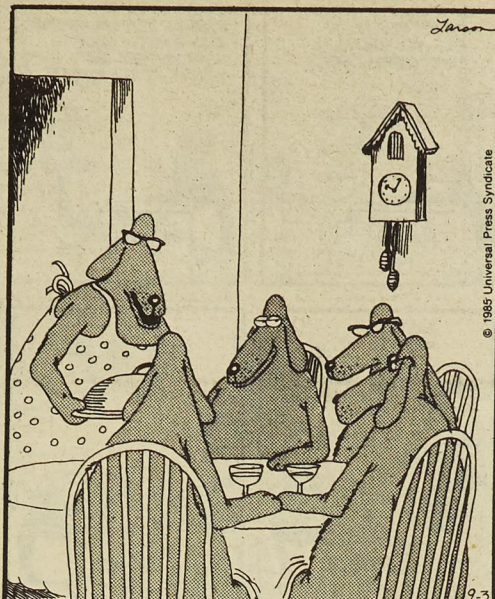
And the winner is . . .

THE FAR SIDE

By GARY LARSON



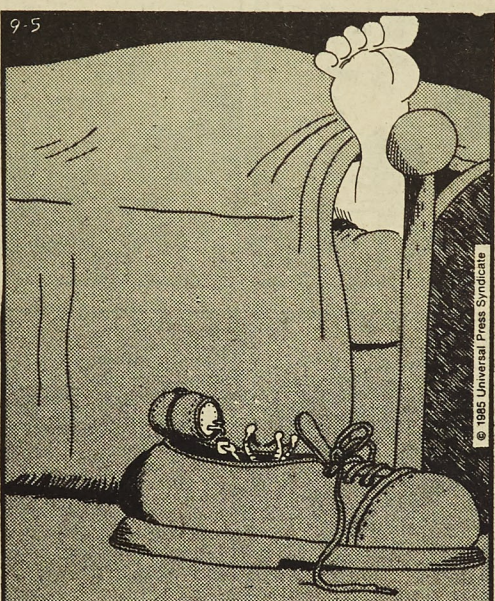
When fleas go unchecked



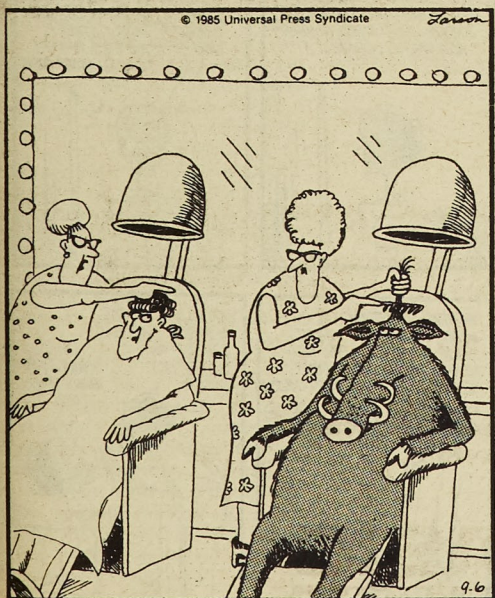
"Now, I want you all to know this cat's not from the market—Rusty caught it himself."



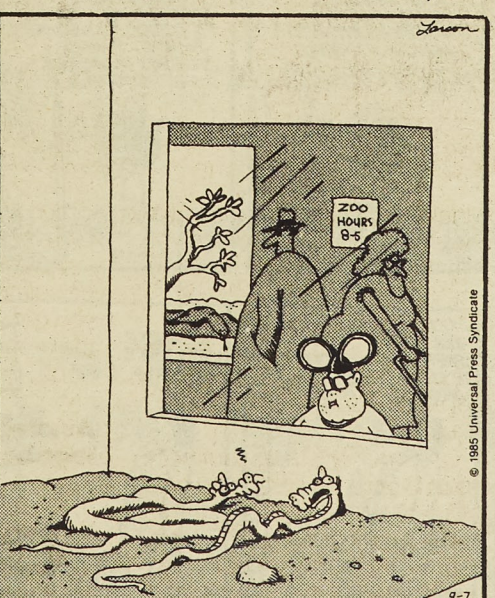
Tarzan contemplates another entry



The kegger lasted well into the night, and on the following morning Dale thrust his foot into a nest of cranky, hung-over, stimulus-response scorpions.

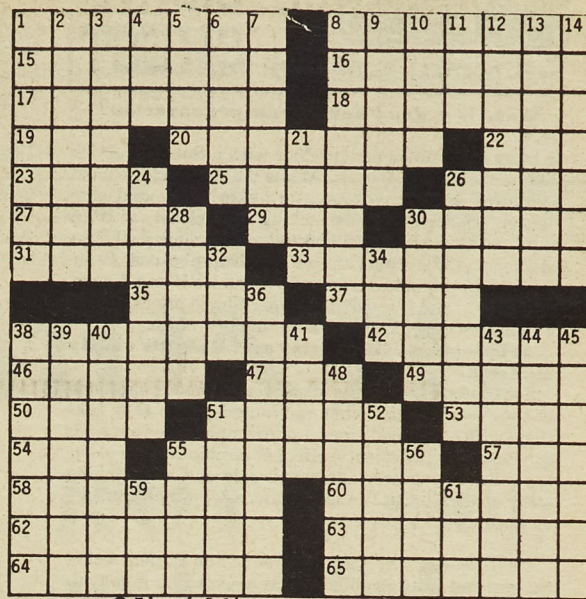


"Betty, you fool! Don't tease that thing!"



"Is it still there?"

Just for Fun



© Edward Julius

ACROSS

- 1 Lists of names
- 8 Tells
- 15 Level of authority
- 16 Scholarly
- 17 Capacity to endure
- 18 Gruesome
- 19 Male cat
- 20 Fatty
- 22 Continent (abbr.)
- 23 Shortened form (abbr.)
- 25 Popeye's girlfriend
- 26 To be: Fr.
- 27 Type of race
- 29 — jump
- 30 The — (Mt. range)
- 31 Mine-boring tool
- 33 Belonging to The Hoosier State
- 35 Cultivate
- 37 Precious stones
- 38 Apportioned
- 42 Slow down
- 46 Comedienne Ann —
- 47 Out of: Ger.
- 49 Olympics entrant
- 50 Mr. Maverick
- 51 French states

DOWN

- 53 Vena —
- 54 Mr. Gershwin
- 55 City in Kentucky
- 57 Letters engraved on a tombstone
- 58 All together (2 wds.)
- 60 Carpentry joint
- 62 Not one nor the other
- 63 Famous reindeer
- 64 Delirium —
- 65 Bird dogs
- 13 Part of ancient Italy
- 14 Female prophet
- 21 Maize bread
- 24 Harmony of relation
- 26 Rubber band
- 28 Site of 1945 conference
- 30 Directed toward
- 32 Prefix for withstanding
- 34 German article
- 36 Endures
- 38 Completely surrounding
- 39 Student, e.g.
- 40 City in Wyoming
- 41 Double
- 43 Greed
- 44 Editor
- 45 Dealers in cloth
- 48 Mailing necessities
- 51 City in Germany
- 52 Nighttime noise
- 55 Tennis great
- 56 "Darn it!"
- 59 Prefix: air
- 61 Dynamite

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4—Article; B—Biography; C—Collaboration, Communicate; D—Designer, Devise, Doodle, Drama; E—Edit; F—Fiction; H—Hit; I—Idea, Imagination, Inspiration; L—Literature; M—Manuscript, Movie; N—Novel; O—Opinion; P—Page, Pamphlet, Paper, Pen, Piece, Poet, Publish; S—Story, Substance; T—Theory, Thesis, Think, Thought, Title; V—View, Volume; W—Words, Writer, Written



MEDICINE CHEST

by H. BOSWELL YORK, R. PH.

What is a good sunscreen preparation? — D.T.

Look for a sunscreen product with a Sun Protection Factor (SPF) of at least 15. While UVB rays cause most sunburns as well as premature skin aging and skin cancer, scientists are now looking more closely at UVA rays. UVA rays are suspected of causing problems similar to UVB's plus others like drug photosensitivity. SPF 15 protects against almost all UVB and A rays. PreSun 15, and Coppertone Super Shade are examples of suncreening products with an SPF of 15.

Are antacids like Tums and Rolaids really medicine? — T.R.

Some people treat antacids like candy and consequently they don't realize what can happen when they take them with other medicines. For example, some antacids can delay the therapeutic effect of antibiotics and sleeping pills. If you are taking antacids and start taking other medication at the same time, ask your pharmacist or physician for advice.

Dear Reader: The National Council on Patient Information and Education has come up with an ingenious way for you to learn what you need to know about the medicines you are taking. It's called *Get The Answers*. Send a long, self-addressed, stamped envelope plus 25 cents to me c/o The McNaught Syndicate, Inc., 537 Steamboat Road, Greenwich, CT 06830 for your copy. © 1985, The McNaught Syndicate, Inc.

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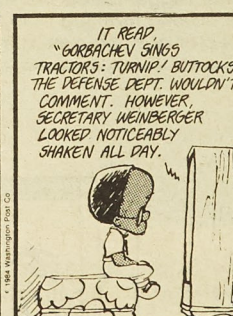
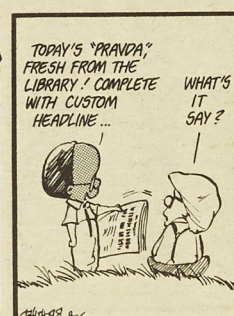
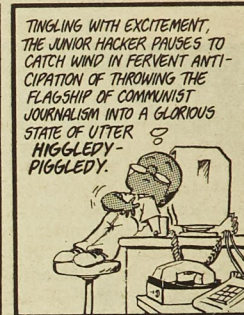
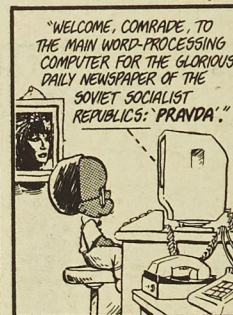
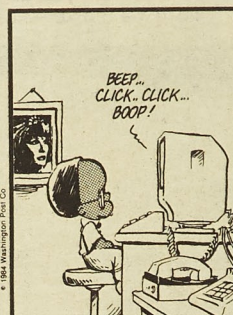
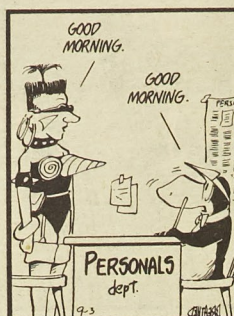
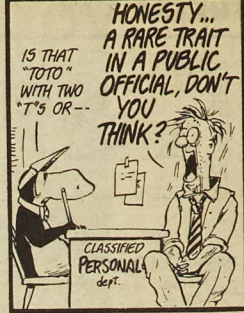
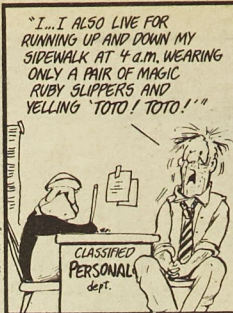
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BLOOM COUNTY

by Berke Breathed



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by Rich
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Everyone wants to Rock the World

by Rich Wilson

"Invasion of Your Privacy," the current top ten album by **Ratt**, has been certified platinum. "Invasion of Your Privacy" was released on May 31 and contains ten songs written by members of **Ratt**. The album has been in the top ten for the past month and features the hit single, "Lay It Down," which is rocketing up the national charts. In addition, Atlantic Video has just commercially released "Ratt—The Video." The group's first long-form video production, it features five songs from the California quintet . . . **AC/DC** and Atlantic Records have entered the second major phase of activity in support of the band's new album, "Fly on the Wall." Continuing to spiral up the national charts, the LP has hit the gold mark in U.S. sales. This fresh **AC/DC** assault has spearheaded by the release of the second episode in the ongoing "Fly on the Wall" video series, "Sink the Pink." Continuing to develop the characters introduced in the first episode, "Danger," the new video also utilized a mix of animation, acting and live performance.

Air Supply's lead crooner, **Russell Hitchcock**, wants to pursue some solo projects once their current "Power of Love" is over, and he says that partner, **Graham Russell**, wants to write film scores. Russell recently told me, "I just don't want people to think, 'Oh, this is the end of Air Supply,' because we're going to keep doing this—it's our first love. But," he adds, "we just think it's time to try some other things to see if they work."

The outrageous co-ed hard rock band, **Madame X**, may look provocative in their fishnets/leather sex garb, but they claim to be rather normal folks. Says bassist **Chris "Godzilla" Dolber**: "People in the audience say, 'What kind of drugs do you take?' Life! The only thing I ever put up my nose is my finger!" . . . According to **Bette Midler**, be on the lookout for a new look in appearance for the Divine Miss M . . . Two-time Grammy Award-winning singer, **Sheena Easton**, has completed recording the song, "Christmas All Over The World," for the forthcoming Tri-Star picture, "Santa Claus—The Movie." The film stars **Dudley Moore**, **John Lithgow** and **David Huddleston**. The last time Easton sang a song for a movie was "For Your Eyes Only," the theme of the James Bond film of the same name. It turned out to be a Top Five hit in 1981 and helped launch her career . . . Many people in the northeastern United States are very disappointed that **Wham!** will only have one appearance in that part of the country. Consensus: Boy, is Philadelphia lucky! . . . It is reported that **Boy George** and his/her other half, **Marilyn**, went looking all over New York for a guy who appears on a billboard advertisement modeling jeans. Intensity was at a fervor as the two checked out all of Manhattan before finally finding the guy in a Greenwich Village bar. Apparently the model was not impressed by either George or Marilyn . . . Grammy-winning pop music singer, **Stephanie Mills**, currently hot with her single, "Bit By Bit," sent a congratulatory telegram to **Eleanor Smeal**, who's just reclaimed the presidency of **NOW** (The National Organization of Women). Smeal has promised to resurrect the

fight for an equal rights amendment. In the telegram, Mills said, "I am sure that your aggressive stance on women's issues will help the **NOW** organization and women in general to reach new heights. Bit by bit," added Mills, "nothing's gonna stop us!"



Tickets available for Kirkpatrick lecture

source: OPI

Free tickets to the Sept. 16 Remmers Lecture by Dr. Jeane J. Kirkpatrick at the University of Missouri-Rolla will be available at the ticket office in the University Center-West starting Tues-

day, Sept. 3.

Tickets (two per person) may be picked up during regular office hours, from 8 a.m. to noon and 12:30 to 4:30 p.m. weekdays, through Friday, Sept. 13.

Soda

from page 1

Welly states that the reason for the price increase was to enable the vending department to offer their customers more variety. There is no profit motive

involved; just the desire to improve the service. And he adds that if the plan doesn't please the students, it will be abandoned.

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Miners have strong offensive team

by Mark Buckner

The Miner football team (6-4 last year with a 2-3 conference record) should be a good defensive team if they can avoid injuries, but the Miners' offense will probably be the team's biggest asset this season, according to head coach Charlie Finley.

"Talentwise, we are as good as we were last year, and maybe even better. We have a lot of competition for positions," Finley said. The one thing the offensive unit does not lack is competition from within the squad.

There are three quarterbacks battling for the starting job. Three fullbacks are fighting for the starting fullback position, four offensive guards are battling for the two guard positions. There are also three right tackles and three left tackles battling for starting positions. And if that is not enough, the Miners have five different kickers in camp. Let us start from the beginning.

The starting QB, at least for the first game, will be junior Brad Haug. Though Haug will be the starter for the first game, that does not mean he will start the other Miner games because all three quarterbacks have played well. "All three are pretty close to equal," said Finley. But for now, Haug is the starter with juniors David Andrzejewski and Pat Kaufman as the two backups.

Finley announced Haug as the starting quarterback in a press conference last week. "He's had a little more poise, a little better command in the huddle. It's still a very difficult situation," said Finley. He says there will be a re-evaluation of the quarterback situation after the Missouri Western game to see who starts Sunday against Mis-

souri Valley at Jackling Field.

The three fullbacks battling for the starting spot are Lafayette Gatewood, Tom Reed, and Tom Mueller. Mueller got the starting nod for the first game

in St. Joseph.

There's not too much competition for the starting halfback position. That belongs to senior Keenan Curry, an all-league selection last year who

rushed for 548 yards with seven touchdowns. Senior Mike Meyer, a Rolla native, will start at the wingback position.

The starting offensive guards are

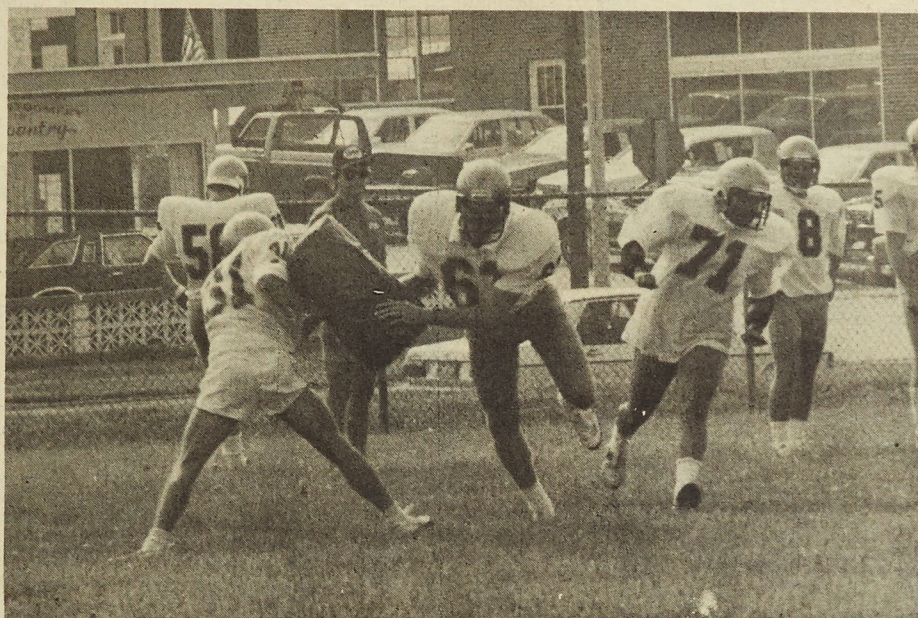
two of the best in the MIAA, seniors Eric Wiegand and Jerry Hirlinger. Juniors Steve Horn and Vince Mitchell are reserve guards. One of the toughest battles has been for the two tackle spots. Senior Scott Cramer will start at right tackle for at least the first game. The two players that are trying to knock Cramer out of the starting role are senior Scott Posadzy and sophomore Don Snyder. Starting at left tackle is senior Kendall Foos, for at least the first game. The other two tackles are junior Jon Perry and freshman Jim Pfeiffer.

Senior Russ Pogue is the starting center with junior Paul Ryan as the backup. Senior John Gregorich is the starting tightend while seniors Ron Hutchcraft and Joe Schnefke will split the wide receiver slot.

Finley believes the offense will be better this year. "We have a better passing game. Our passing game will be the biggest improvement in our offense," Finley says the Miners should be throwing the ball more this year.

There have been five different kickers in the Miners' camp so far this year, which has resulted in two big battles for the punting and place-kicking duties. Pat Kaufman, one of the Miner quarterbacks, will do the place-kicking while senior defensive end John Frerking will also do the punting. Overall, special teams look good, according to Finley.

MINER FACTS: Other home games the Miners have besides Sunday's game are all on Saturday at 1:30. October 12 against NEMO (Parents' Day), October 19 against CMSU (Homecoming Weekend), and November against NWMO. Admission, of course, is free if you have a valid ID.



Unsung heroes

UMR offensive linemen practice blocking assignments.

X-Country wins big

by Mike St. John

Tim Swinfard led the UMR cross country team to victory over SIU-Edwardsville in Rolla last Friday. Swinfard's time of 27:55 was followed closely by several other Miners. Andy Prater, Kurt Whittet, Jeff Balmer, and John Borthwick, respectively, completed the scoring for the Miners in their perfect 15-40 victory. In fact, 11 Rolla runners crossed the finish line before a single one of their opponents.

Coach Dewey Allgood was very happy with his team, who beat the heat and the opposition in a very impressive first outing. "Any time that the first 11 runners who cross the line are Miners, you have to be pleased," he said.

Bruce Berwick, Mike Deamer, David Vonarx, Ron Rosner, Jim Clark, and Curt Elmore rounded out the top 11 Miners. The Miners ran together in a pack for much of the race. They established an insurmountable lead early and cruised on to win easily.

Rolla has always had a good cross country team and "potentially we'll have the best cross country team we've ever had," Allgood said. He believes this because the freshman class is the

best ever, and three senior tri-captains have returned from last year's squad. The team is well-balanced between freshmen and returning lettermen.

The miles that the team ran during the summer escalated to 90 miles a week before their first competition. This year Coach Allgood is stressing team effort before individual accomplishments. One statement stands out above the rest in the letter Allgood handed his runners at the start of training. "Help the pack, help the team; make us winners!" he instructed. It was obvious that everyone carefully read that letter because the team ran together and helped each other throughout the course on Friday.

The team finished fourth in conference last season behind Southeast Missouri, national champions last year; Northwest Missouri, who are returning all seven starters and qualified for nationals last year; and Northeast Missouri. It seems as though Missouri is the hot bed for cross country, and if you can win in Missouri, you can beat anybody.

see X-Country page 20

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Big Red has good chance for playoff berth

by Michael Blechle

While the end of the summer and return to the "black hole" for another semester can be depressing to UMR students, for some the return to school in the fall is laced with an anxious anticipation — the return of Pro-football! It's been almost eight months since any "real" football has been played, and for the hard core fan the countdown to the start of the season can be as obsessive as the perennial countdown to next year's St. Pat's.

With the baseball Cardinals on a pace to win the N.L. East and another World Series and the Royal's serious bid to top the Angels in the A.L. West, even the biggest football fan may wish the two seasons didn't overlap.

But it's hard to forge the memory of the Big Red's bitter last second loss to

the Redskins on Neil O'Donoghue's missed field goal. Yes, the deepest, darkest fear of every Big Red fan did evolve — that the Cardinal's shot at the NFC East title and a playoff berth would rest on a Neil O'Donoghue 50 yard field goal. Since I'm sure everyone forgot what happened, I'll remind you — he missed it.

Seriously though, I don't think anyone can really blame Neil for missing "that" field goal. Jim Hanifan says he has the utmost confidence in O'Donoghue, yet for some reason Big Red fans don't or will never have confidence in our favorite kicker.

Despite having what I consider to be a weakness in the place kicker's spot, this year's Big Red team is stronger and more mature. With the signing of Luis Sharpe and the acquisition of

back-up QB Scott Brunner, the Cardinals have an excellent shot at the NFC East title.

The Big Red's biggest obstacle will again be the Redskins. The Redskins made some big player deals and acquired the likes of Malcolm Barnwell and George Rogers to add to their roster of talent. Don't count out Landry's Cowboys or the Giants either. These two teams combined with St. Louis and the Redskins make up the NFL's second toughest division. It promises to produce one and maybe both of the wild card teams at the end of the year.

The Cardinals are young and improving and still not at their peak, but they have the talent and maturity to make the playoffs this year. With a little consistency they should definitely

have a wild card berth wrapped up by season's end. With some impressive play within their own division the NFC East title will be theirs.

Don't be surprised if the division crown again comes down to the last week of the season with Washington playing at St. Louis.

Here's a brief look at the five other conferences and what can be expected from each:

NFC West: There's no doubt that San Francisco will win their division again. The question is whether they will repeat as Super Bowl champions again. 49'er fans won't like this, but San Francisco will lose two maybe even three games this season. Without George Rogers New Orleans will continue their losing tradition. The Rams will again have to be content with setting their sights on a wild card berth to make the playoffs this year.

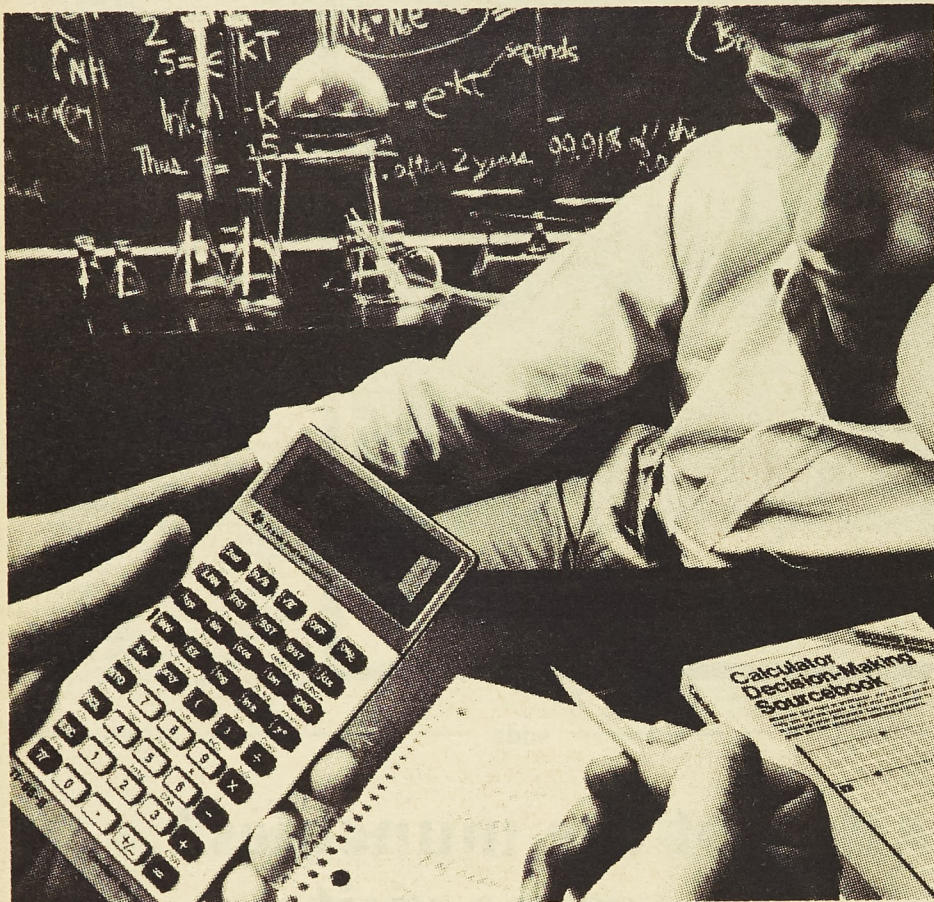
NFC Central: Don't expect the return of Bud Grant to put the Vikings in a position to lose another Super Bowl. Look for Chicago with their first-rate defense, Walter Payton, and whatever uninjured QB they have left

over from the previous week to put together an impressive season. Green Bay is a team with a lot of firepower, and even Tampa Bay shows signs of improving. Chicago is still the team to beat and will win the NFC Central Division easily.

AFC East: Despite the sub-par showing in the Super Bowl, Dan Marino and the Miami Dolphins will make the NFL secondaries their playground. While their defense is improving, the Dolphins will simply outscore their opponents. New England will have a good season but will also be shooting for a wild card spot as Miami walks away with the AFC East title.

AFC Central: The NFL needs to make up a new rule: In order to make the playoffs as a division winner, a team must have a better than .500 record. Incredible as it may seem, the 8-8 Bengals were on the edge of their seats last year cheering for the Raiders to beat Pittsburgh in the regular season finale. A Steeler loss would have put the 8-8 Bengals in the playoffs as the AFC Central Division winner. Cincinnati had a strong finish last year and should

see NFL page 20



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Cheerleaders are ready

by Dale Heuser

Even since the first day of school, many varsity, intramural, and club sports have been training. The UMR cheerleading squad is no exception. The football cheerleaders are back this year and looking better than ever with seven returning members and five talented newcomers.

This just may be the most experienced squad that UMR has ever had. It includes Janet Hughes who has now been cheering for six semesters, Rob Pennington, Mike Hughes, and Greg Moroig who have had four semesters of cheerleading background, followed by the captains of this year's squad, Jenny Lynch and Dale Heuser who both have had three semesters of experience.

Pam Savage is now in her second season. The very talented new cheerleaders are Raishell Haus, Mike Klender, Traci Soehlke, Karen McKinney, and Marty Compton. Karen Ditzler, advisor for the squad, said that she could not remember a squad ever looking this good so early

in the season.

The cheerleading squad began practice the first day of school, concentrating on partner stunts, the foundation of cheerleading. Other emphasis has been placed on pyramid building, synchronized partner stunts, and gymnastics.

The UMR cheerleaders have always been a little bit different from other cheerleading squads. They have always possessed the ability to really bring the crowd alive. Any squad can entertain the grandstands, but our cheerleaders have the ability to make the crowd stand up and dance (literally). Although our cheerleaders do a great job of entertaining the spectators, they never forget the real reason that they are out there, and that is to cheer the football team on to victory.

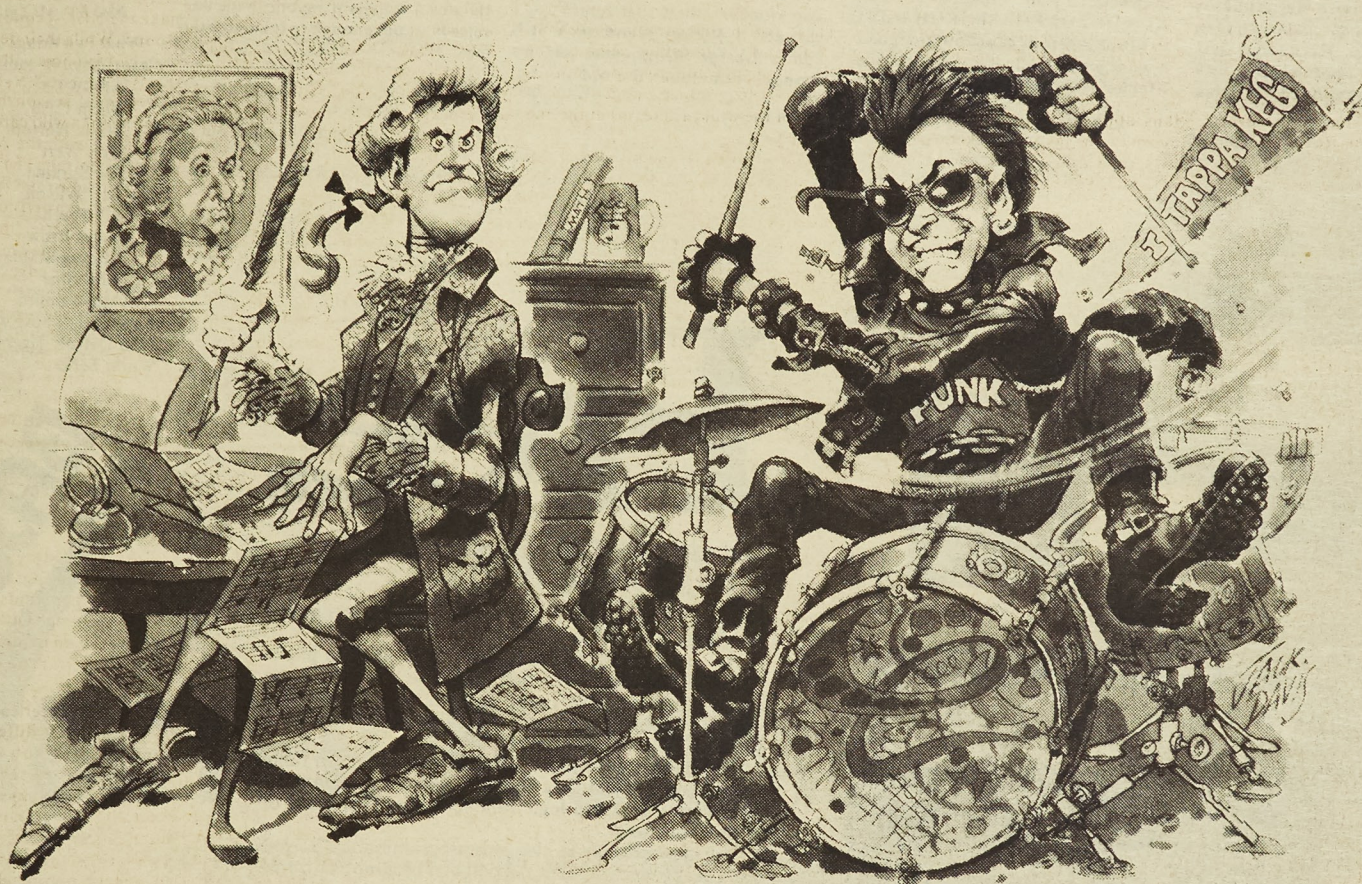
The UMR football team has only four home games this year, with the first one being this Sunday at 1:30 p.m., so make sure you come out and cheer on our football team with the UMR cheerleaders.



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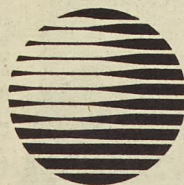
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The wonderful world of baseball

by Rick Sullivan

Just think if the Los Angeles Dodgers make the playoffs—or even worse, the World Series. Do you think we'll ever be able to survive those pregame shows and the antics of Tommy LaSorda, which have grown boring nowadays? . . . Keith Hernandez is baseball's best first baseman with Don Mattingly second. Hernandez gets 100.0 rating while Mattingly is at 99.9 . . . Whatever happened to Rick

Cerone? The upper East Side of Manhattan just isn't the same . . . Where do the Mets and Bly Jays find all of these great young arms? . . . Is Don Sutton wearing out his welcome in Oakland these days? . . . If Chuck Tanner is smart, he'll leave the Pirates. If he's even smarter—and I think he is—he'll RUN OUT OF PITTSBURGH and go to a team where he can show how good a manager he really is . . . I guess Les Steckel (former Viking coach) has

joined the Vern Rapp Club . . . Would somebody please tell us all what "No Pepper" means . . . I wonder what the former Met owners are doing these days—probably hiding out in Nome, Alaska . . . I wonder if Pascual Perez ever won a free plane ticket and vacation to Istanbul, Turkey, he'd take it. I also wonder if he'd ever return . . . I wonder if Rickey Henderson still adores George Steinbrenner and his money—remember the old saying,

"Money can't buy love" . . . Betcha the Phillies will finish ahead of the Cubs this year . . . I wonder if Rick Sutcliffe would NOW trade some of the Cubbies for some of the Mets . . . The days seem to be dwindling on the south side of Chicago for Tony LaRussa . . . If Pat Corrales is fired by the Indians, I wonder if anyone in the universe is stupid enough to take over the job.

Sportsname

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MOAY MITHS

What two things do all of the above players have in common?

ANSWERS:

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Don Wert
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Bill Frehan
Gates Brown
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BASEBALL



Sports Stumpers

Q. What was the first year Denny McLain pitched for the Detroit Tigers?
A. Denny began his major league career with Detroit in 1963 and was 2-1.

Q. Name the Pittsburgh Steelers' field goal kicker in their first Super Bowl appearance.
A. Roy Gerela.

Q. Name all three teams Craig Morton played for in the NFL.
A. Dallas Cowboys, New York Giants and Denver Broncos.

Q. Who pitched game one of the 1975 World Series for the Boston Red Sox?

A. Luis Tiant.

Q. Who was the first batter to come to the plate during the 1969 World Series? D.S. Lake Ronkonkoma, NY.
A. Tommie Agee

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BS in Chemical, Civil, Electrical, Mechanical or
Petroleum Engineering for Associate Engineer in
Construction, Design & Technical Service. Job
details will be posted with signups. MUST BE U.S. CITIZEN

JOB LOCATION: Kansas City
INTERVIEWERS: unknown
INTERVIEW DATE: Monday, Sept. 30, 1985
NUMBER OF SCHEDULES: 3
PRIORITY SIGNUP: Friday, Sept. 13, 1985
REGULAR SIGNUP: Monday, Sept. 16, 1985

PROCTER & GAMBLE COMPANY, Cincinnati, OH
Interviewing DECEMBER 1985, MAY 1986 grads with
BS/MS in Chemical, Mechanical, Electrical, Civil
Engineering or Engineering Management for Plant
Manufacturing Management. Manufacturing Mgt.
has responsibility for the production of the
extensive line of P&G consumer & industrial pro-
ducts. For more information, see Procter &
Gamble Technical Options brochure - available
at time of signups. MUST BE U.S. CITIZEN OR
HOLD PERMANENT IMMIGRANT VISA.
JOB LOCATION: Cape Girardeau
INTERVIEWERS: unknown
INTERVIEW DATES: Monday, Sept. 30, 1985
Tuesday, Oct. 1, 1985
Wednesday, Oct. 2, 1985
NUMBER OF SCHEDULES: 2 ea day
PRIORITY SIGNUP: Friday, Sept. 13, 1985
REGULAR SIGNUP: Monday, Sept. 16, 1985

HUGHES AIRCRAFT CO., El Segundo, CA
Interviewing DECEMBER 1985 grads for the
following schedules:

SCHEDULES: 1 & 2
BS/MS in EE, Physics, Computer Science and
Computer Engineering for the SPACE & COMMUNI-
CATIONS GROUP, located in El Segundo, CA.
The Space & Communications Group of Hughes
Aircraft Company is the world leader in the
design, systems operation, and test of satel-
lite systems. Seeking engineering grads

interested in the design of advanced systems
and components for communications satellites.
More detailed information will be available
at time of signups. U.S. CITIZENSHIP REQUIRED.

SCHEDULES 3 & 4
BS/MS/PhD in EE, Computer Engineering, Physics,
Math and Computer Science for SPACE & COMMUNI-
CATIONS GROUP DEFENSE INFORMATION SYSTEMS,
located in Denver, CO. The Denver Division of
Hughes is involved in the design, operation, and
test of satellite communication systems - emphasis
on state of the art satellite control ground sys-
tems. U.S. CITIZENSHIP REQUIRED.

INTERVIEW DATE: Monday, Sept. 30, 1985
NUMBER OF SCHEDULES: 2-Defense Info. Systems
(as listed above)
PRIORITY SIGNUP: Friday, Sept. 13, 1985
REGULAR SIGNUP: Monday, Sept. 16, 1985

NOTE: STUDENTS MAY SIGN ON ONE SCHEDULE ONLY!

WANNER ELECTRIC BRAKE & CLUTCH CO., South Beloit, IL
Interviewing DECEMBER 1985, MAY 1986 grads with
BS in Mechanical Engineering for Project Engineer
or Development Engineer in New Products Dev. En-
gineer or Project Engineer for Product Design, and
Process Engineer or Mfg. Engineer for Mfg. Engineer-
ing Div.

JOB LOCATION: South Beloit, IL
INTERVIEWER: Stephen Schumaker
INTERVIEW DATE: Monday, Sept. 30, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Friday, Sept. 13, 1985
REGULAR SIGNUP: Monday, Sept. 16, 1985

DEFENSE COMMUNICATIONS AGENCY, Wash. D.C.

Interviewing DECEMBER 1985 or MAY 1986 grads
with BS/MS in EE or BS in Computer Science.
Must have 30 credit hours in a combination
of Computer Science, Math, and Statistics.

At least 15 credits must be in any combina-
tion of Statistics and Math which included
Differential & Integral Calculus. Job de-
tails are not available at this time - to be
forwarded by company. ALL INTERVIEWEES MUST
BE U.S. CITIZENS FOR SECURITY REASONS.

JOB LOCATION: Wash. D.C. & Metro Area

INTERVIEWER: unknown

INTERVIEW DATE: Monday, Sept. 30, 1985

NUMBER OF SCHEDULES:

NOTE: 75% OF SCHEDULE WILL BE RESERVED

FOR EE'S ONLY - TWO (2) INTERVIEW OPENINGS

WILL BE AVAILABLE FOR COMPUTER SCIENCE IN

THE MORNING; TWO (2) INTERVIEW OPENINGS WILL

BE AVAILABLE FOR COMPUTER SCIENCE IN THE

AFTERNOON.

PRIORITY SIGNUP: Friday, Sept. 13, 1985

REGULAR SIGNUP: Monday, Sept. 16, 1985

SEEKING MILITARY AIRCRAFT COMPANY, Wichita, KS
Interviewing DECEMBER 1985 grads with BS/MS in
EE or ME. U.S. CITIZENS ONLY.

EE: Antennas & Propagation, Electromagnetic
Compatibility, Guidance & Control Analysis, Con-
trol Systems Analysis, Radar Systems Analysis,
Circuit Design and Analysis and Systems Engineer-
ing. (Job details will be available with sign-
ups).

ME: Liaison Engr., Mechanical Systems Engr.,
Structural Design, Systems Engr., and Technical
Writing. 3.0 G.P.A. REQUIRED FOR ME SCHEDULE ONLY.

JOB LOCATION: Wichita, KS

INTERVIEWERS: unknown

INTERVIEW DATE: Monday, Sept. 30, 1985

NUMBER OF SCHEDULES: 2: BS/MS in EE

1: BS/MS in ME

PRIORITY SIGNUP: Friday, Sept. 13, 1985

REGULAR SIGNUP: Monday, Sept. 16, 1985

ALCOA, Pittsburgh, PA

Interviewing DECEMBER 1985, MAY 1986 grads

with BS/MS in EE, ME, Engineering Management,
Chemical or Metallurgical Engineering.

EE: work in such areas as plant control sys-
tems, process computer control, power sys-
tems and new technology design and implemen-
tation. Job location: any of 22 operating
locations nationwide.

ME: entry-level assignments may range from
minor equipment revisions to multi-million
dollar installations. Work on the design of
production conveyor systems, improving forg-
ing equipment or troubleshooting production
equipment to cite a few possibilities.

Job location: any of 22 operating locations
nationwide.

ENG. MGT.: entry level work on method and
cost improvements, and resource optimization.
Typical projects include increasing equipment
uptime, material handling studies, and capi-
tal expenditure cost justifications.

Job location: any of 22 operating locations
nationwide.

QHE: work primarily in the refining and smelt-
ing operations.

Job location: any of ten refining/smelt-
ing operations nationwide.

MET ENGR.: begin at fabricating plant involved
in either process control of ingot casting, roll-
ing, forging, or extruding operations.

Job location: any of 9 fabricating operations
nationwide.

INTERVIEWERS: unknown

INTERVIEW DATE: Tuesday, Oct. 1, 1985

NUMBER OF SCHEDULES: 1-EE; 1-ME; 1-Eng. Mgt.

1-QHE; 1-Met Engr.

PRIORITY SIGNUP: Monday, Sept. 16, 1985

REGULAR SIGNUP: Tuesday, Sept. 17, 1985

HEWLETT PACKARD COMPANY, Corvallis, OR

Interviewing DECEMBER 1985 grads for the
following schedules:

SCHEDULE #1 - BS/MS/PhD in EE or Comp Sci
for Design, Production, or Marketing in
digital hardware and/or software, analog,
integrated circuit. Job location: CA, OR,
WA, CO, ID, PA, NJ, VA, plus many field
locations. Interviewer: Bob Livengood

SCHEDULE #2 - BS/MS/PhD in Computer Science
for Design, Production, Manufacturing, Market-
ing or Sales. Job location: ID, CA, OR, CO,
WA, VA, NJ, PA. Interviewer: Bob Steiner

SCHEDULE #3 - BS/MS/PhD in EE or Computer
Science for Field Sales, Systems Engr.,
Customer Engr., Marketing, Design or Produc-
tion in hardware or software or digital or
analog. Job location: field offices in
most large cities. Interviewer: Rick Bryne

SCHEDULE #4 - BS/MS/PhD in EE for Design,
Production, Marketing or Sales Engineers in
hardware or integrated circuits. Job lo-
cation: CA, CO, WA, OR, ID, WA, NJ, PA, many
sales offices. Interviewer: Vicki Sweester
U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED ON
ALL HEWLETT PACKARD SCHEDULES.

INTERVIEW DATE: Tuesday, Oct. 1, 1985

NUMBER OF SCHEDULES: 4 - as listed above

PRIORITY SIGNUP: Monday, Sept. 16, 1985

REGULAR SIGNUP: Tuesday, Sept. 17, 1985

NOTE: AN INFORMATION MEETING WILL BE HELD
ON MONDAY, SEPT. 30, IN THE MECHANICAL ENGR.
AUDITORIUM: 5-7 P.M.

STUDENTS MAY SIGN ON ONE SCHEDULE

ONLY!

PPG INDUSTRIES, INC., Pittsburgh, PA

Interviewing DECEMBER 1985, MAY 1986 grads

with BS/Computer Science, Chemistry, Chemi-
cal, Mechanical or Electrical Engineering
for Mgmt. Info. Sys. Dev.; Q.C.; Sales
Prod. Mgmt.; Dev. Eng. Prod. Mgmt.; Process
Control & Prod. Mgmt. PPG is a mfg. &
distributor of glass products, coatings,
resins, and chemicals. U.S. CITIZENSHIP
OR PERMANENT RESIDENT VISA REQUIRED.

JOB LOCATION: nationwide

INTERVIEWER: unknown

INTERVIEW DATES: Tuesday, Oct. 1, 1985

Wednesday, Oct. 2, 1985

Thursday, Oct. 3, 1985

NUMBER OF SCHEDULES: 1 ea day

PRIORITY SIGNUP: Monday, Sept. 16, 1985

REGULAR SIGNUP: Tuesday, Sept. 17, 1985

INGERSOLL RAND, Woodliff Lake, NJ

Interviewing DECEMBER 1985, MAY 1986 grads

with BS/MS in Mechanical or Mining Engin-
eering for Application, Sales, Design,
Development, Research, Mfg., or Mfg. Manage-
ment. Trainees. Job details will be available
at time of signups. Ingersoll Rand designs,
develops, mfgs. and markets engineered equip-

Wednesday, Sept. 4, 1985

missouri miner

Page 17

ment and standard machinery throughout the

world. U.S. CITIZENSHIP OR PERMANENT VISA

REQUIRED.

JOB LOCATION: various

INTERVIEWERS: Frank White & another

INTERVIEW DATE: Tuesday, Oct. 1, 1985

NUMBER OF SCHEDULES: 2

PRIORITY SIGNUP: Monday, Sept. 16, 1985

REGULAR SIGNUP: Tuesday, Sept. 17, 1985

OWELL SCHULMEYER INCORPORATED, Tulsa, OK

Interviewing DECEMBER 1985 grads with BS in

Petroleum, Civil or Mechanical Engineering
for oilfield related work in Central region.

U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

JOB LOCATION: Eastern & Midwestern U.S.

INTERVIEWER: Kevin Hudock

INTERVIEW DATE: Tuesday, Oct. 1, 1985

NUMBER OF SCHEDULES:

PRIORITY SIGNUP: Monday, Sept. 16, 1985

REGULAR SIGNUP: Tuesday, Sept. 17, 1985

AT&T, Lee's Summit, MO

Interviewing DECEMBER 1985, MAY 1986

grads for AT&T Technologies, AT&T Bell

Labs and AT&T Sandia Labs. Schedules are

as follows:

AT&T TECHNOLOGIES

BS/MS in Computer Science or Electrical En-
gineering. Job location: St. Louis

G.P.A. REQUIREMENT: 2.90 for Comp Sci;

2.98 for Electrical Engineering. U.S. CITIZEN-
SHIP OR PERMANENT VISA REQUIRED.

INTERVIEW DATES: Oct. 1, 2, 1985

NUMBER OF SCHEDULES: 1 ea day

AT&T TECHNOLOGIES

BS/MS in Electrical or Mechanical En-
gineering. Job location: Little Rock, AR or

Skokie, IL.

G.P.A. REQUIREMENT: 2.98 for EE; 2.72 for ME

U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

INTERVIEW DATES: Oct. 1, 2, 1985

NUMBER OF SCHEDULES: 1 ea day

AT&T TECHNOLOGIES

BS/MS in Computer Science, Electrical Engin-
eering, Engineering Management or Mechanical

Engineering. Job location: varied

G.P.A. REQUIREMENT: 2.90 for Comp Sci; 2.98

for EE; 2.93 for Eng. Mgt.; 2.72 for ME

U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED.

INTERVIEW DATES: Oct. 1, 2, 1985

NUMBER OF SCHEDULES: 1 ea day

AT&T TECHNOLOGIES

BS/MS in Chemical, Electrical, Mechanical, Met-
allurgical Engineering, Engineering Management

or Physics. U.S. CITIZENSHIP OR PERMANENT VISA

REQUIRED. Job location: MO, CA, PA, FL

See Placement page 18

PROCTER & GAMBLE

PAPER PRODUCTS COMPANY
CAPE GIRARDEAU, MISSOURI

RECENT GRADUATES WILL BE CONDUCTING AN

INFORMATIONAL SEMINAR

Seniors Interested in Manufacturing Management and Graduating with the Following

Engineering Degrees are Invited to Attend: **CH.E., M.E., C.E.,**

E.E., and ENG. MGMT.

INTERESTED STUDENTS SUBMIT RESUME TO RM. 201, PLACEMENT OFFICE, BY MONDAY, SEPTEMBER 9, 1985.

TIME: **7:00 pm**

DATE: **SEPTEMBER 10**

PLACE: **CENTENNIAL HALL EAST**

OPEN HOUSE: **WEDNESDAY, SEPTEMBER 11, 8:00 A.M. - 3:00 P.M. IN OZARK ROOM**



Placement

G.P.A. REQUIREMENT: 3.04 for ChE; 2.96 for Comp Sci; 2.93 for Eng. Mgt.; 2.72 for ME; 2.75 for Met. Engr.; 3.53 for Physics.

INTERVIEW DATES: Oct. 1, 2, 1985

NOTE: Oct. 3, 1985 will be call-back interview date for all AT&T Technology Schedules.

AT&T BELL LABORATORIES
BS/MS/PhD in Computer Science or Electrical Engineering. U.S. CITIZENSHIP OR PERMANENT RESIDENCY. Job location: NJ, IL, CO. G.P.A. REQUIREMENT: 3.28 for BS in Comp Sci; 3.37 for EE; 3.3 for graduates. INTERVIEW DATES: Oct. 1-3, 1985. NUMBER OF SCHEDULES: 1-Oct. 1 for BS candidates ONLY; MS/PhD candidates ONLY on Oct. 2 & 3.

AT&T SANDIA LABORATORIES
MS in Aerospace Engineering, MS/PhD in Computer Science, Electrical Engineering, Mechanical or Nuclear Engineering. U.S. CITIZENSHIP REQUIRED. (NOTE: WILL NOT INTERVIEW ON THE B.S. LEVEL). Job location: Albuquerque, CA. G.P.A. REQUIREMENT: 3.30 for AE; 3.20 for Comp Sci; 3.37 for EE; 3.15 for ME; 3.15 for NE. INTERVIEW DATES: Oct. 1, 2, 1985. CALL BACK INTERVIEW DATE: Oct. 3, 1985. PRIORITY SIGNUP DATE FOR ALL AT&T SCHEDULES: Monday, Sept. 16, 1985. REGULAR SIGNUP DATE FOR ALL AT&T SCHEDULES: Tuesday, Sept. 17, 1985.

MONSANTO COMPANY, St. Louis, MO
Interviewing MAY 1986 grads with BS/MS in EE for Electrical Design Engineering: designs process control and plant power systems; selects instruments, designs systems, approves drawings and monitors construction. U.S. CITIZENSHIP REQUIRED.

JOB LOCATION: St. Louis
INTERVIEW: unknown
INTERVIEW DATE: Wednesday, Oct. 2, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Tuesday, Sept. 17, 1985
REGULAR SIGNUP: Wednesday, Sept. 18, 1985

FRU-CON CORPORATION, Baldwin, MO
Interviewing recent grads (2-5 yrs). DECEMBER 1985 grads with BS in CE or ME for Field/Offices Engineer. U.S. CITIZENSHIP REQUIRED.
JOB LOCATION: throughout U.S.
INTERVIEWER: J. Coleman, Jr.
INTERVIEW DATES: Wednesday, Oct. 2, 1985 Thursday, Oct. 3, 1985
NUMBER OF SCHEDULES: 1 ea day
PRIORITY SIGNUP: Tuesday, Sept. 17, 1985
REGULAR SIGNUP: Wednesday, Sept. 18, 1985

EXXON, Houston, TX
Interviewing DECEMBER 1985, MAY 1986 grads with BS/MS in ChE, ME, PE, Geological or Mining Engineering for Engineering design and field assignments in production, marketing, refining and chemical operations, etc., and research & development. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED. EXXON PREFERS "B" AND ABOVE: SIGN ON OVERFLOW OR BACK-UP LIST IF YOU DO NOT QUALIFY.

JOB LOCATION: nationwide
INTERVIEWERS: Doug Brockhaus & another
INTERVIEW DATE: Wednesday, Oct. 2, 1985
NUMBER OF SCHEDULES: 2
PRIORITY SIGNUP: Tuesday, Sept. 17, 1985
REGULAR SIGNUP: Wednesday, Sept. 18, 1985

NOTE: STUDENTS SHOULD BRING COMPLETED EXXON APPLICATION AND COPY OF TRANSCRIPT TO INTERVIEW. EXXON APPLICATION WILL BE AVAILABLE AT TIME OF SIGNUPS; TRANSCRIPT MUST BE OBTAINED FROM REGISTRAR.

McDONNELL DOUGLAS CORP., St. Louis, MO
Will interview DECEMBER 1985, MAY 1986 grads with BS/MS in AE, CE, Computer Science, EE, EM or ME. OPEN HOUSE WILL BE HELD ON OCT. 2, 1985 FROM 12:00-6:30 P.M. SIGNUPS & INTERVIEWS WILL BE SET UP BY McDONNELL DOUGLAS ON THAT DAY. ACTUAL INTERVIEWS WILL BE HELD ON OCT. 3. STUDENTS INTERVIEWING WITH McDONNELL DOUGLAS MUST BE REGISTERED WITH CAREER DEVELOPMENT.

PHILLIPS PETROLEUM CO., Bartlesville, OK
Interviewing DECEMBER 1985, MAY 1986 grads with BS/MS in PE or BS/In EE or ME. Job description is not available at this time. INTERVIEW DATES: Wednesday, Oct. 2, 1985 Thursday, Oct. 3, 1985
NUMBER OF SCHEDULES: 1-PE on Oct. 2; 1-PE morning only on Oct. 3
1-ME/EE on Oct. 2; 1-EE/ME morning only on Oct. 3
PRIORITY SIGNUP: Tuesday, Sept. 17, 1985
REGULAR SIGNUP: Wednesday, Sept. 18, 1985

HARRIS CORP., Melbourne, FL
Interviewing DECEMBER 1985 grads for the following three schedules:

HARRIS CORP. BROADCAST PRODUCTS GROUP
SYSTEM for Electrical Engineering: design digital or analog circuits or high technology broadcast systems including audio, video, RF, and antenna products. U.S. CITIZENSHIP OR PERMANENT RESIDENCY IS REQUIRED.

JOB LOCATION: Quincy, IL
INTERVIEWER: unknown
INTERVIEW DATE: Thursday, Oct. 3, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Wednesday, Sept. 18, 1985
REGULAR SIGNUP: Thursday, Sept. 19, 1985

HARRIS CORP. GOVERNMENT SYSTEMS SECTOR
BS/MS in Computer Science for software development. PREFER 3.0 G.P.A.
BS/MS in Electrical Engineering in areas of RF, antennas, modems, systems, digital/analog design, electro-optics, software development, reliability, test, quality assurance, production. PREFER 3.0 OR GREATER G.P.A. U.S. CITIZENSHIP REQUIRED FOR GOVT. SYSTEMS SECTOR SCHEDULES.

JOB LOCATION: Melbourne, FL
INTERVIEWERS: unknown
INTERVIEW DATE: Thursday, Oct. 3, 1985
NUMBER OF SCHEDULES: 1-EE; 1-Comp Sci
PRIORITY SIGNUP: Wednesday, Sept. 18, 1985
REGULAR SIGNUP: Thursday, Sept. 19, 1985

NOTICE OF PRE-RECRUITMENT MEETING FOR HARRIS CORP.

Harris Corp. will hold a pre-recruitment meeting on Wednesday, Oct. 2, 1985 from 7:00-10:00 in the Mark Train Room.

OKLAHOMA GAS & ELECTRIC COMPANY, OK City, OK
Interviewing DECEMBER 1985 grads with BS in Electrical Engineering for Engineer-in-Training in Region Engineering Offices. U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED. **JOB LOCATION:** various Oklahoma
INTERVIEWER: Mike Loyd
INTERVIEW DATE: Thursday, Oct. 3, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Wednesday, Sept. 18, 1985
REGULAR SIGNUP: Thursday, Sept. 19, 1985

ENGINEERING INSTALLATION CENTER, Tinker AFB, OK
Interviewing DECEMBER 1985 grads with BS/MS/PhD in EE: performs systems engineering for the installation of electronic & communication systems and equipment used by the Air Force. Work is done mostly in the southern half of the U.S., but employee will be subject to world wide travel. U.S. CITIZENSHIP REQUIRED.
JOB LOCATION: Tinker AFB, OK
INTERVIEWER: Wayne Strubling
INTERVIEW DATE: Thursday, Oct. 3, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Wednesday, Sept. 18, 1985
REGULAR SIGNUP: Thursday, Sept. 19, 1985

NOTICE: CHANGE IN INTERVIEW DATE:

AMERICAN ELECTRIC POWER will interview ON TUESDAY, SEPT. 24. ORIGINALLY TO INTERVIEW ON SEPT. 25). THEY HAVE CANCELLED THEIR PRE-RECRUITING MEETING ON SEPT. 24, 1985.

ADDITION FOR WEEK OF SEPT. 16-20

NAVAL REACTOR FACILITY, Idaho Falls, ID
Interviewing DECEMBER 1985, MAY 1986 grads with BS/MS in EE, ME or NE for operations oriented for U.S. Nuclear Navy training. U.S. CITIZENSHIP REQUIRED.

JOB LOCATION: Idaho Falls, ID
INTERVIEWER: unknown
INTERVIEW DATES: Thursday, Sept. 19 Friday, Sept. 20
NUMBER OF SCHEDULES: 1 ea day
PRIORITY SIGNUP: Wednesday, Sept. 4, 1985
REGULAR SIGNUP: Thursday, Sept. 5, 1985

ADDITIONS: LIST OF COMPANIES INTERVIEWING FALL 1985:

Westinghouse Electric Corp. Naval Reactor Fac. (Sept. 19, 20)
Union Pacific Systems (Sept. 25)
Prilo Lay (Eng. Mgt. schedule - Oct. 14)
Cargill - Dunbar Plant (Oct. 15)
Deere & Co. (Oct. 15)
F.B.I. (Oct. 17)
Iowa Southern Utilities (Oct. 21)
Oster. Div. of Sunbeam (Oct. 30)

Riegel Textile (Nov. 7)
Oaco (Nov. 7); will not interview Nov. 6
Bueler Mfg. Co. (Nov. 8)

CANCELLATIONS:
Northern Indiana Public Serv. (Sept. 19)
Aulcan Chemicals (Sept. 24)
Texas Eastern (Sept. 30)
Tenneco EAP (Oct. 9) - will keep Oct. 8 schedule

CHANGE IN SCHEDULE
SCOTCH WASCAL (Interview date: Sept. 25) will interview BS in EE, in addition to previously scheduled BS in ME/Eng. Mgt. 1-schedule for BS/EE; 1 for BS/ME/Eng. Mgt. Pkg.

ARCO OIL & GAS CO., Dallas, TX
Will interview DECEMBER 1985, MAY 1986 grads with BS/MS in Chemical, Mechanical, or Petroleum Engineering for PRODUCTION OPERATIONS SUPERVISION, in ARCO Exploration and Technology Div. **Job location:** CA, CO, LA, NM, OK, TX, LA
Interviewer: unknown
Interview date: Wednesday, Sept. 18, 1985

Will interview DECEMBER 1985, MAY 1986 grads with BS/MS in PETROLEUM ENGINEERING ONLY for ENGINEER. **Job location:** AL, CA, CO, LA, NM, OK, TX & WY
Interviewer: unknown
Interview dates: Wednesday, Sept. 18, 1985 Thursday, Sept. 19, 1985

Will interview DECEMBER 1985, MAY 1986 grads with BS/MS in Mechanical or Chemical Engineering for ENGINEER. **Job location:** AL, CA, CO, LA, NM, OK, TX, WY
Interviewer: unknown
Interview dates: Wednesday, Sept. 18, 1985 Thursday, Sept. 19, 1985

U.S. CITIZENSHIP OR PERMANENT VISA REQUIRED:
ALL ARCO SCHEDULES
PRIORITY SIGNUP: TUESDAY, SEPT. 3, 1985
REGULAR SIGNUP: Wednesday, Sept. 4, 1985

SUMMER EMPLOYMENT

ARCO OIL & GAS CO., Dallas, TX
Will interview students graduating in Fall 1985/1986, Spring/Summer 1986/87 with BS/MS in PE for SUMMER ENGINEER. **Job location:** AL, CA, CO, LA, NM, OK, TX, WY. 1 schedule on Sept. 18

Will interview STUDENTS WHO HAVE COMPLETED JUNIOR LEVEL in ChE, ME, or PE for SUMMER EMPLOYMENT
NOTE: 3 afternoon interview openings - 15 min. ea. AFTERNOON SIGNUPS ONLY. **Job location:** CA, CO, LA, NM, OK, TX, WY. Interview date: Sept. 18, 1985

ARCO OIL & GAS CO., Dallas, TX (SUMMER EMPLOYMENT)
Will interview students graduating with BS/MS in ChE or ME in Fall 1985/1986; Spring/Summer 1986/87 for SUMMER ENGINEER. **Job location:** AL, CA, CO, LA, NM, OK, TX, WY
Interview date: Sept. 18, 1985

Will interview students graduating in Fall 1986 or Spring/Summer 1987 with BS in ChE, ME or PE for SUMMER ROUSTABOUT. **Job location:** CA, CO, LA, NM, OK, TX, & WY. Interview date: Sept. 19

Will interview students graduating in Fall 1985, 1986 or Spring/Summer 1986/87 with BS/MS in ChE, ME or PE for SUMMER ENGINEER. **Job location:** AL, CA, CO, LA, NM, OK, TX, WY
Interview date: Sept. 19, 1985

NOTE: SIGNUPS FOR ARCO WILL BE HELD ON FRIDAY, SEPT. 6.
LOCATION: Buehler Building, 3th & Holla St.,
PLEASE USE THE HOLLA STREET WEST DOOR. ALL SUMMER SIGNUPS WILL BE HELD AT THIS LOCATION.

TIME: Signups for morning interviews will be held from 8:00-10:30 a.m.; signups for afternoon interviews will be held from 1:00-3:00 p.m.

ALL STUDENTS ARE TO BRING THE CAMPUS INFORMATION FORM (RESUME) WITH THEM AT TIME OF SIGNUP FOR SUMMER INTERVIEW OR BACK-UP SHEET. Employment candidates should have registration forms on file with Career Development prior to signups.

co-op

CO-OP EMPLOYMENT

IBM Corporation located in Owego, New York is interested in hiring co-op students starting this Fall, 1985 semester. Interviewing majors in C.Sc., Eng.Mgmt., Met.E., E.E., M.E., Accounting. Their requirement is a 3.0 GPA.

Students interested in Co-op employment now, please contact Sharon, Co-op Office, 101 Buehler Bldg. as soon as possible.

Please check with the Co-op Office periodically for additional companies.

XBI Corporation, Div. of Cabot Co. in Robards, NY is interested in hiring co-op students starting this Fall, 1985 semester. Interviewing majors in Met.E.

Students interested in Co-op employment now, please contact Sharon, Co-op Office, 101 Buehler Bldg. as soon as possible.

from page 3

Nuclear testing

cast some suspicion on the proposal, it alone is not sufficient reason to completely reject a moratorium. If the Soviet Union is indeed serious about moving toward a test ban, the problem of balancing increased Soviet testing in July probably could be solved. However, in order to reach any solutions President Reagan must at least be willing to negotiate. Admittedly, the possibility exists that the Soviet Union is merely using the issue of nuclear testing as a propaganda, it clearly would be in the interest of the United States to call the Soviet's bluff by attempting to seriously negotiate. Instead the Reagan administration, without even discussing the details, has blatantly rejected any possibility of a joint moratorium of nuclear testing.

Since the temporary Soviet lead in testing is not sufficient reason to completely reject a test ban treaty, another reason must exist. I submit that the true reason is President Reagan's commitment to the development of increasingly sophisticated nuclear weapons. Without testing new weapons can not be effectively developed. Since President

Reagan appears committed to continued development of nuclear weapons, he can not afford to eliminate nuclear testing. One problem with continually developing new nuclear weapons is that each new weapon becomes quicker and more accurate. As a result, the response time available in the event of a nuclear strike decreases. Consequently, the decision to launch a nuclear counter strike becomes increasingly dependent on computers constantly monitoring to Soviets. Unfortunately computers are subject to malfunctions and could inadvertently announce the presence of a nonexistent nuclear strike. Increasingly both the United States and the Soviets risk the start of a nuclear war due to computer error.

While President Reagan continues to develop new nuclear weapons, he claims that he will eliminate the terror of the nuclear threat by the development of a 'Star Wars' system (Strategic Defense Initiative or SDI). As conceived this system will be able to destroy any and all nuclear weapons launched at the United States before the missiles reach their target. Currently the technology to

build such a system does not exist. Disagreement exist over whether such a system will ever be feasible. Regardless the continued development of sophisticated weapons will not enhance the possibilities of such a system becoming reality. In fact as weapons become quicker and more accurate, it will increase the difficulty of building a defense system against them. If President Reagan truly wishes a 'Star Wars' system to become reality, he should seize any opportunity to freeze nuclear weapons at their current degree of development. A joint moratorium on nuclear weapons testing represents such an opportunity.

The current Reagan administration strategy of rejecting a test ban treaty is self defeating in light of the 'Star Wars' proposal. I think a more productive policy would be to pursue a joint moratorium on nuclear weapons testing. The Soviet Union's recent unilateral moratorium provides us with a historic opportunity to reach such an agreement. To simply ignore their actions would be tragic.

Rights

from page 3

Distribution

were't sufficient papers in the library. Now there are.

But we're still getting complaints this year (you just can't win, can you). Organizations that have been drop points in the past are, to say the least, disappointed. I'm flattered that you prize our paper so much, but I can't justify returning to the old system that had drops on the order of tens. The papers are still accessible to you — they're just not brought to your doorstep anymore.

If you are really set on having it brought to your

doorstep, I can have a number of papers reserved (not distributed on campus) that you can pick up. I would suggest that the organizations involved, for sake of coordination, choose one person to do the distribution for all.

If you're not satisfied with even this, I say pffth! You're not being very considerate of your fellow students and you're harassing the editor!

Sincerely,
Paul McLaughlin,
Editor, The Missouri Miner

On the other hand, if we adopt the idea that rights are granted by government, we cannot complain too loudly, or for very long, when that government decides to take away our rights. The various religious persecutions of which you write are the result of this frightening concept. After all, if government gave the right of conscience, who can argue back if that government repeals the right of conscience for nonbelievers?

Clearly the doctrine of God-given rights provides the only true security for the rights of all the people.

Cordell Smith

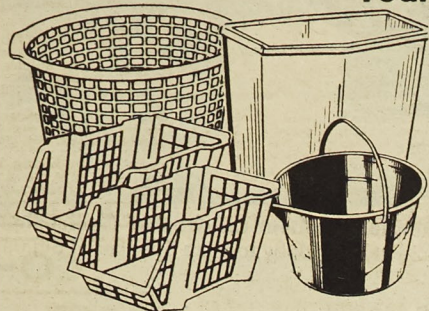
from page 3

Kmart

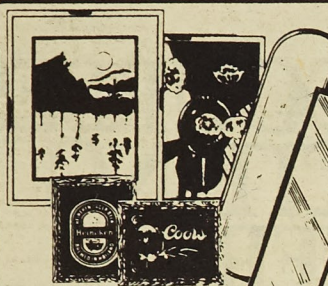
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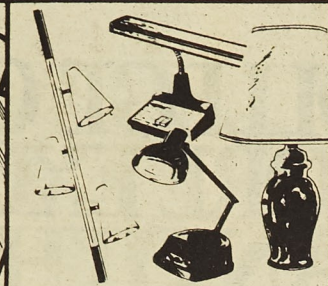


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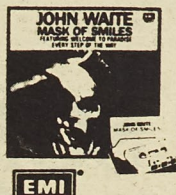
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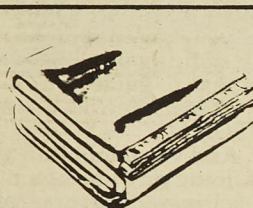
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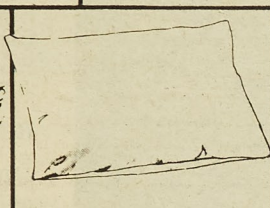
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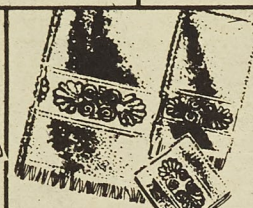
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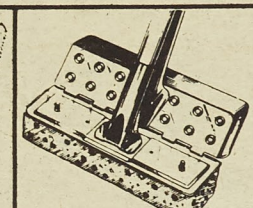
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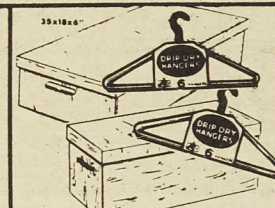
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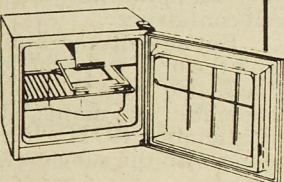
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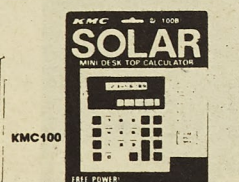
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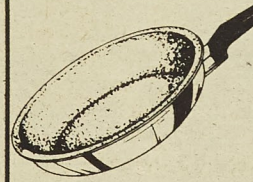
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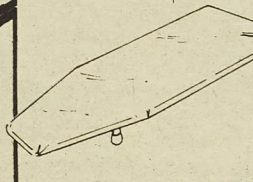
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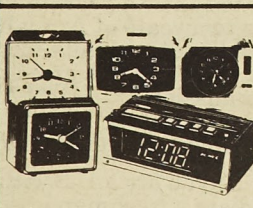
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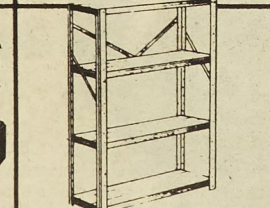
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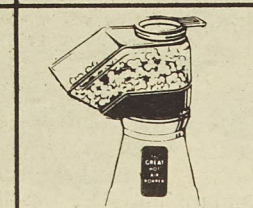
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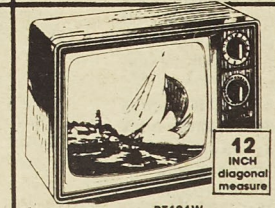
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Electric Heat 'N Eat
Fast and easy to use. Shop and save.



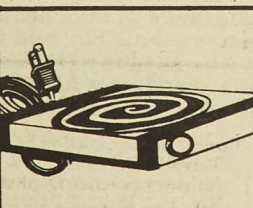
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Makes delicious popcorn. Savings.



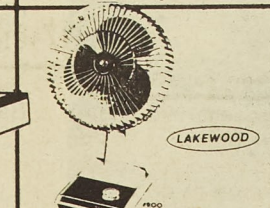
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Outstanding reliability, performance.



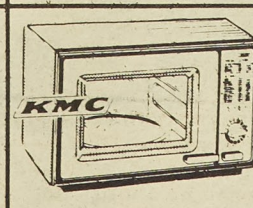
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NFL

from page 14

continue to win. Pittsburgh will be the only other contender to the crown. Expect a modest record of 10-6 to win the division this year. Cincinnati should emerge as the AFC Central leader.

AFC West: The NFL's toughest division shows signs of again being a wrestle royale for the top spot. With the return of Curt Warner, Seattle has been the media's early favorite. The Broncos and the Raiders will have something to say about that. The Raiders will have one of those unpredictable great seasons where they come up from mere wild card playoff berths to serious Super Bowl contention. The Broncos and Seahawks will battle for one or both of the wild card berths in the AFC, depending on the season New England has.

When January and the playoffs come around, don't expect any new names to be in the picture. Washington, Miami, San Francisco, and the Raiders will all be there. Even the Super Bowl looks to be an unbelievable rematch of the Dolphins and 49'ers. Super Bowl XX will have the same teams, in a different location, with a different outcome as Miami wins their first Super Bowl of the '80s.

X-Country

from page 13

The Miners will be facing some of the toughest competition to be found in the nation. In addition to the excellent conference and divisional teams, several NCAA Division I schools have been scheduled for the team to engage. It seems only fitting that potentially the best team in UMR history should face one of the toughest schedules ever.

Running a five mile race in the heat is commendable, finishing is admirable, and winning it unquestionably is unbelievable, but to be the best team in the nation is achievable for this year's squad.

Swinford is only a freshman whose high school career reads like a record book. Allgood describes him as an excellent prospect, and he lived up to expectations with a great run on Friday. Prater is also a freshman with an excellent high school track and cross country record. Whittet transferred in from Purdue last year and has vastly improved according to Allgood. Jeff Balmer "could be our number one runner," Allgood said, about the outdoor trackman of the year.

Borthwick is the UMR record holder for many middle distance track events and should have an outstanding year. Three year letterman and tri-captain Berwick "promises to make his last year his best," Allgood said. Deamer, who was plagued by injuries last year, should be the team's best runner according to Allgood. Vonarx, who finished eighth on Friday could be in the top seven. Rosner and Clark are excellent freshmen who have a shot at the top seven along with tri-captain Elmore.

Additional team members include Steve Schwab, Keith Rockers, Charles Henze, Stan Novak, Mark Schwalje, Mike Montgomery, Phillip Wall, Erick Wulfman, and Christopher Cozart.

There are so many excellent runner, brilliant prospects, and tough competitors on this year's squad that the toughest competition in the country may be found within the Miner team. Coach Allgood's philosophy, however, has made the squad a synergistic unit working to achieve the unachievable and possibly a national championship.

Intramurals get underway

by John Schwarz

When the flags start flying and the whistles start blowing, it can mean only one thing: Flag football and another exciting intramural season has begun. Sigma Phi Epsilon will attempt to defend last year's championship against stiff competition from many organizations. Look for another eventful intramural season.

The intramural managers are offering students a chance to use their imagination and artistic abilities in developing an intramural logo design. Submit

entries to a manager or the intramural mailbox in the Multi-Purpose Bldg. by Monday, Sept. 9. A cash prize will be awarded for the best design.

As for business, flag football begins Wednesday, Sept. 4. Team rosters are due at the next meeting on Wednesday, Sept. 11 at 5:30 p.m. Golf, tennis, and horseshoes entries are also due. Any organization attempting to join intramural may be admitted by the second meeting of the semester only (Sept. 11).



Intramural President Christopher Cozart presents the overall championship trophy to Mike Spencer of Sigma Phi Epsilon.

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If you are a U.S. citizen and are a freshman or sophomore, now is the time to get in on the excitement.

Add Military Science 10 Basic (page 24 of Schedule of Classes — Fall '85), and find out why so many UMR students are "Being All They Can Be" with Army ROTC.

For more information contact:
Terry P. Bartkoski
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